Journal of the American College of Cardiology
Published by Elsevier Inc.
© 2005 by the American College of Cardiology Foundation
Vol. 45, No. 12, 2005
ISSN 0735-1097/05/$30.00

Author Index: Volume 45

Aaronson KD, 381
Abashidze A, 1018
Abbate A, 323, 466
Abdel-Aty H, 1815
Abdul-Karim A, 285, 690
Abdul-Khaliq H, 915
Abergel E, 1731
Abeywickrama KH, 1532
Abizaid AA, 2069
Abraham WT, 2096
ACC/AHA Task Force on Performance Measures, 1147
Ackerman MJ, 1340, 1354
Adabag AS, 697
Adams KF, 1550
Adamson PB, 2096
Adkinson C, 1513
Afek A, 1018
AFFIRM Investigators, 1906, 2034
Aggarwal M, 363
Agostini C, 1449
Agostini P, 323
Agostoni P, 466
Agulló L, 293
Ahmed A, 2096
Ahn E, 1467
Ahn JY, 1649
Ahn YS, 1467
Aiba T, 300
Airaksinen KEJ, 278
Airoldi F, 464, 805, 989, 1570
Ajzenberg N, 1753
Akasaka T, 763
Akhrass R, 1308
Akiyama T, 1906
Alazraki N, 1494
Albert CM, 1090
Albin G, 1165
Alexander KP, 471
Alexander RW, 1775
Alfonso F, 954
Allenet B, 515
Almendral J, 460
Alpert NM, 1580
Amara WE, 1753
Ambriz E, 1223
Ambrose JA, 659
American College of Cardiology and the American Heart Association Task Force on Performance Measures, 1147
AMISTAD-II Investigators, 1775
Ammann P, 1482
Ammash NM, 595
Anaclerio M, 65
Ananthasubramaniam K, 1227
Anavy N, 786
Anbe DT, 1552
Anderson JL, 1638
Anderson TJ, 1987
Andrew P, 573
Andrews MW, 690
Anemona L, 1585
Angel C-Y, 1826
Angiolillo DJ, 954
Anker SD, 156
Antman EM, 321, 357, 1552
Antonelli A, 573
Antoniak S, 1081
Anzai H, 1532
Aoki J, 947, 1135, 1574
Aonuma K, 887
Appleton CP, 1064
Aprile A, 424
Aquilani R, 158
Arab D, 1900
Arampatzis CA, 128
Arbeitsgemeinschaft Leitende Kardiologische Krankenhausärzte (ALKK), 1769
Arcidiaco P, 158
Arenal A, 460
Armstrong PW, 1552
Armstrong WF, 1739
Arnaout S, 326
Arnett DK, 1716
Årnlöv J, 1802
Arnold M, 377
Arrieta R, 2069
Arroyo L, 962
Arshad A, 1733
Ashen MD, 1379
Atalar E, 2078
Atienza F, 460
Atwood JE, 160, 1309
Aubry P, 1753
Auer J, 966
Augello G, 868
Aurora S, 493
Aurup P, 705
Autore C, 1076
Avierinos J-F, 260
Aviles RJ, 2078
Avogaro A, 1449
Ayaori M, 733
Azarbal B, 489
Aziz KS, 1580

Babuty D, 1732
Badimon JJ, 846
Baesso I, 1449
Bahl A, 922
Baim DS, 1908
Bair TL, 1638
Bairey Merz CN, 1494
Balacumaraswami L, 629
Balady GJ, 1348
Baldi A, 466
Baldi JC, 1731
Balk AHMM, 1654
Ballantyne CM, 1611
Bañuelos C, 954
Banville I, 786
Baptist M, 1840
Barac I, 1251
Baran D, 962
Baranchuk A, 1832
Barbato E, 216
Barbieri L, 573
Barbone A, 668
Bard RL, 163
Barillà CS, 1076
Barrabés JA, 293
Barrell P, 2034
Barrett-Connor E, 1609
Barsness GW, 204
Bartlett ST, 1051
Bartunek J, 216
Baruch D, 1753
Bashore TM, 1031
Bassermann F, 1700
Bassett AS, 400
Bates ER, 1552
Bauernschmitt R, 2061
Bauters C, 163
Bavry AA, 941
Bax JJ, 93, 343, 749, 1109
Beanlands RSB, 1227
Beauchesne LM, 595
Bécane H-M, 855
Beck T, 123
Becker R, 966
Becker U, 377
Beheiry S, 690
Bekeredjian R, 329
Belden WA, 285, 690
Belhassen B, 1266
Bello D, 1104
Bellumkonda L, 1051
Bendjelid K, 965
Benhamou M, 456
Benjamin EJ, 685
Benoît A, 308
Ben-Yehuda O, 137
Berent R, 966
Berg MD, 786
Berg RA, 786
Berger A, 216
Berger PB, 246
Bergin P, 1193, 1201
Berman D, 137
Berman DS, 722
Bermann G, 252
Bernabò P, 1076
Bernhardt P, 1807
Bernheim A, 1482
Bertaglia E, 873
Best LG, 1787
BEST Trial Echocardiographic Substudy Investigators, 1064
Bhargava M, 285
Bhargava V, 1269
Bhatt DL, 246, 941
Biagini E, 93
Biamino G, 312
Bianconi L, 1723
Biasucci LM, 238, 466
Biblo LA, 1308
Bickel C, 1631
Bieganski S, 1980
Billinger K, 377
Biondi-Zoccai G, 466
Biondi-Zoccai GGL, 323
Birjmohun RS, 185
Bisleri G, 1308
Bittl JA, 1939
Björkegren J, 1013
Blacher J, 1243
Blahut S, 1051
Blandeau O, 896
Blank A, 1970
Blankenberg S, 1631
Blaufox AD, 581
Bleiziffer S, 2061
Bliden KP, 1392
Bloch K, 633
Block PC, 635
Blomberg P, 982
Blomkalns AL, 832
Bluemke DA, 98
Blumenthal JA, 637
Blumenthal RS, 1379
Bock P, 1815
Boden WE, 832
Bogdanov VY, 1081
Bolling SF, 381
Bollwein H, 828
Bomma C, 98
Bonamico S, 1449
Bonanno E, 1585
Bond MG, 1013
Bonnefoy E, 515
Bonow RH, 631
Bonow RO, 631, 1334
Boquist S, 1013
Borges-Neto S, 1494
Borowski AG, 54
Boschi F, 158
Bosmans JM, 1109
Bossone E, 471
Bøtker HE, 982
Bots ML, 1994
Bottio T, 1308
Bottoni A, 439
Botzenhardt F, 2061
Boundy K, 357
Bountioukos M, 93
Bourassa MG, 720
Boyé P, 1815
Bracha Y, 1513
Brack T, 633
Bradley TD, 2012
Braga SLN, 2069
Bragadeesh T, 780
Branzi A, 93
Bräunlich S, 312
Braunwald E, 19, 244, 321, 357, 1644, 1781
Breithardt G, 10, 409, 1072
Brenot P, 1826
Bridell H, 1700
Briguori C, 464
Brink I, 1505
Brinton EA, 1003
Brisco MA, 1051
Brodsky M, 2034
Brodsky MA, 1906
Brogan GX Jr, 832
Brown DL, 1759
Brown RA, 1925
Bruch C, 1072
Brücker C, 1856
Brunner S, 1946
Brunner-La Rocca HP, 1482
Bruno N, 573
Brush JE, 1903
Bruzzi P, 1076
Bryson CL, 2022
Buck T, 770
Buecker A, 2048
Buerkle MA, 1700
Bülow HP, 544
Burger AJ, 1781
Burger P, 1482
Burgstahler C, 123
Burke GL, 2022
Burkett EL, 969
Burkhardt JD, 285, 690
Burkhoff D, 668, 2095
Burton AW, 161
Buser P, 1482
Buss F, 1856
Byrne JG, 14

Cachier A, 1753
Cademartiri F, 128
Caira F, 631
Calkins H, 98, 860
Calò L, 1723
Cambien F, 1631
Cannon CP, 19, 321, 357, 1644, 1781
Cannon L, 1172
Canter B, 1309
Canter CE, 1734
Capone ML, 1295
CAPTURE Study Investigators, 229
Caputo R, 1193, 1201
Carlier SG, 995
Carlino M, 805, 989
Caro J, 838
Carreras F, 326
Casey S, 1251
Casey SA, 697
Cassagnes J, 515
Cassimatis DC, 160
Caturla J, 25
Celermajer DS, 1997
Celestin F, 1419
Cerboni P, 456
Cerquiera M, 1494
Chaitman BR, 1348
Chan HC-K, 677
Chan PS, 1474
Chan V, 489, 1379
Chan Y-S, 677
Chandler M, 2034
Chandrasekaran K, 1691
Chapman FW, 786
Charbonneau F, 1987
Charnigo R, 1757
Chatelain P, 1435
Cheitlin MD, 1334
Chekanov V, 1734
Chen AY, 832
Chen S-C, 1734
Chen SN, 1611
Chen W-H, 636
Chenevard R, 461
Cheng TO, 1145, 1549
Chen-Zion M, 1970
Chertow GM, 1781
Chieffo A, 805, 989, 1570
Chin DT, 1043
Chirinos JA, 1467
Chit A, 808
Cho L, 1900

Choi IS, 1649
Chojnowska L, 1251
Chou TM, 2095
Chow BJW, 1227
Christian TF, 1307
Christman KL, 1735
Christofferson RD, 493
Chronos NA, 1310
Chung W-J, 1649
Cianflone D, 238
Citterio F, 238
Clark BJ, 1844
Clark LT, 1348
Claussen CD, 123
Clayton T, 221
Cleland JGF, 1654
Clendenning R, 1732
Coggins MP, 565
Cohen I, 722
Cohn JN, 810
Cohn LH, 14
Colan SD, 1734
Colivicchi F, 1723
Collen D, 1472
Collins AJ, 391
Collins M, 995
Colombo A, 464, 805, 989, 1570
Colquhoun D, 1552
Colucci W, 525
Coman JA, 162
Condorelli G, 464
Connolly HM, 595, 1672
Connolly SJ, 1832
Connors SP, 400
Conti JB, 30B, 412, 1090
Cooper LT Jr, 160
Cordain L, 964, 1732
Corey W, 1165
Corral J, 25
Corti R, 461, 846
Corvaja N, 805, 989, 1570
Cosgrave J, 805, 989
Costa JR Jr, 2069
Costa RA, 1180
Costantini CO, 508
Coupland S, 1081
Cowper PA, 369
Cox DA, 508, 1193, 1201, 1397
Crawford FA Jr, 1041
Crawford LE, 1458
Crawford MH, 866, 1334
Crea F, 238, 466
Cretin N, 1532
Crijns HJGM, 1683
Croft LB, 1813
Crowe TD, 1538
CRUSADE Investigators, 832
Cryocath International Patient Registry, 133
Crystal E, 1832
Culler S, 838
Cummings J, 285
Cummings JE, 690, 1308
CURE Study Investigators, 838
Curtis AB, 70, 412, 1733
Cutlip DE, 1908

D'Agate DJ, 659
Dagorn J, 163
D'Agostino RB Sr, 685
Dahdah N, 1306
Dahlöf B, 705
Dahlöf B, 712
Dalipaj MM, 1227
Dalla-Volta S, 1025
Dambrink J-HE, 999
Dangas G, 995, 1186
Dangas GD, 2095
Danias PG, 336
Dao C, 489
Dargie H, 525
Dassen WRM, 1683
Davidson KW, 637
Davidson NC, 154
Davies JE, 1043
Davis HR, 1574
de Belder MA, 806, 808
de Boer M-J, 999
De Bruyne B, 216
de Faire U, 1013
de Feyter P, 947
de Feyter PJ, 128, 1135, 1574
De Franco AC, 1759
de Groote P, 163
de Jaegere PPT, 947, 1135, 1913
de la Pena-Almaguer E, 104
de Labriolle A, 1732
De Marchi D, 439
de Paola AAV, 1905
de Roos A, 343, 749, 1109
de Ruvo E, 1723
De Santis A, 1096
De Simone A, 873
De Velasco JA, 743
Dearani JA, 1672
Debl K, 2054
Deedwania P, 252
Defesche JC, 1620
deKemp RA, 1227
Del Ben M, 35
del Castillo S, 460
Demachi J, 1849
DeMaria AN, 137, 626, 960, 1064, 1304, 1729, 1974, 2093
Denes P, 1306
DeNofrio D, 1419
Dery MA, 1308
DeSilva R, 2078
DeSouza CA, 1547
Detaint D, 260
Devaux J-Y, 855
Devereux RB, 2B, 705, 712, 1787
Dhingra R, 685
Dhondt D, 1109
Di Carli MF, 50, 553
Di Gaudio F, 2004
Di Gregorio P, 1295
Di Pasquale P, 2004
Diamond GA, 469
DiBattiste PM, 19
Dick AJ, 2078
Dickie S, 1251
Dicks EL, 400
Dickstein K, 156
Diehl L, 493
Diercks DB, 832
Dietz R, 1815
Dimmeler S, 229
Ding W-G, 300
Diodati JG, 1157
DiPaola NR, 54
Dirksen MS, 343
Dirschinger J, 544, 828
Divekar A, 1213
Dixon SR, 1117
Dizon J, 1428
Djavidani B, 2054
Djoussé L, 1716
Dokainish H, 19, 1223
Dolgin M, 967
Dong C, 1458
Donnici G, 873
D'Onofrio G, 238
Dorbala S, 553
Dörffler-Melly J, 1748
Dörner A, 1081
Dorszewski A, 418
Dossena M, 158
Doughty RN, 1731
Douglas JS Jr, 4B
Douglas PS, 1142, 1322, 1334, 1543, 1903
Drachenberg C, 1051
Drago F, 1096
Drazner MH, 1388
Drenckhahn J, 400
Driscoll DJ, 1326
Drosch T, 123
Drvota V, 982
Dsebissowa F, 915
Duboc D, 855
Ducas J, 1213
Ducharme A, 1144
Dudek D, 982
Dumesnil JG, 1034
Duyster J, 1700

E- and C-SIRIUS Investigators, 10
Eagle KA, 1147, 1759
Eber B, 966
Eckardt L, 1072
Eckart RE, 160, 1309
Eckfeldt JH, 1716
Eckstein J, 1482
Edelman ER, 1946
Egstrup K, 252
Eguchi H, 589
Eichhorn EJ, 1064
Eichinger WB, 2061
Eisenberg MJ, 177
El Muayed M, 1144
Eldar M, 931
Elhendy A, 93, 1235
Elkayam U, 252
Ellinor PT, 82
Elliott PM, 922, 1251
Ellis SG, 1165, 1172, 1180, 1186, 1193, 1201
Ellison RC, 1716
Elsasser A, 466
El-Zaru M, 1419
Engelbrecht B, 1700
Engler RM, 160
Enriquez-Sarano M, 260
Enseleit F, 461
Erbel R, 770
Escaned J, 954
Espinola-Klein C, 1631
Estes NA III, 1354, 1368, 1369, 1371
Estornell J, 743
Euroinject One Group, 982
Evans A, 922
Exil V, 1734

Facco M, 1449
Fadden EM, 163
Fadini GP, 1449
Fairbrother DL, 581
Farouque HMO, 363
Farrell M, 922
Fasoli G, 1025
Fassa A-A, 204
Fasullo S, 2004
FATE Investigators, 1987
Fauchier L, 1732
Favilli B, 439
Fayad ZA, 733, 846
Fazzari M, 873
Fearon WF, 363
Feinberg MS, 931
Feit F, 1939
Feld GK, 137, 1269, 1906
Feldman LJ, 1753
Felker GM, 1550
Feng J, 1538
Fernandez C, 324, 954
Fernández-Ortiz A, 954
Fernández-Portales J, 460
Ferrari E, 456
Ferro A, 868
Ferro D, 35
Feuerbach S, 2054
Fichtlscherer S, 229
Fieno DS, 1104
Fink JC, 1051
Finn AV, 479, 1974
Finsterer J, 634
Fischman AJ, 1580
Fish D, 1186
Fishbein DP, 62
Fisher ML, 1051
Flamm SD, 1306
Floras JS, 2012
Flugelman M, 1970
Focaccio A, 464
Fontaine JM, 1369
Fontes VF, 2069
Force T, 617
Ford I, 525
Forfia PR, 1667
Forleo C, 65
Fornaciari E, 2004
Forst T, 1932
Forster A, 461
Fouchier SW, 1620
Fox KAA, 221
Francis GS, 1249
Fratoni S, 1585
Freimann S, 931
Frey D, 461
Fried L, 268
Friedman JD, 722
Friedrich MG, 1815
Frye RL, 43
Fujii K, 212, 995
Fujii T, 1961
Fujimoto K, 318
Fujioka D, 1461
Fujita H, 1954
Fujiwara H, 1954
Fukuda D, 1594
Fukumoto Y, 1961
Fukushima H, 1622
Fung JW-H, 677
Fuster V, 846, 1307
Fynn SP, 154, 1488

Gaamangwe T, 1213
Gabriel S, 838
Gal YB, 1018
Galli M, 1545
Galloway JM, 1787
Galvani M, 1545
Gami AS, 160, 2015
Garan H, 1428
Garber AM, 72
Garcia E, 508, 1397
García-Alberola A, 460
Garcia-Dorado D, 293
Garfinkle M, 1832
Gasparini G, 320
Gass S, 1769
Gaster R, 489
Gattis WA, 1550
Gavora P, 505
Gay RE, 461
Gay S, 461
Gaynor JW, 1844
Ge L, 805, 989, 1570
Geeranavar S, 1043
Geng N, 1871
George J, 1018
Geppert A, 30
Gerckens U, 805
Gerds-Li J-H, 418
Gerdts E, 705, 712
Gernez JP, 896
Gersh BJ, 198, 508, 1397
Gershlick AH, 10
Gersony WM, 1326
Gewirtz H, 1580
Ghali JK, 809
Giada F, 320
Giammanco M, 2004
Gibbons RJ, 43, 1775
Gibler WB, 832
Gibson CM, 321, 357, 1781
Gidding SS, 1346
Gilbertson DT, 391
Giles TD, 1925
Gill I, 1308
Ginnetti F, 238
Girard SE, 326
Girerd X, 1243
Giugliano RP, 321, 357
Glennon PE, 808
Gloe T, 1700
Glogar D, 982
Golan E, 1970
Gold HK, 479
Goldberger JJ, 1104
Goldin-Lang P, 1081
Goldman ME, 1813
Goldschmidt-Clermont PJ, 1458
Goldstein DJ, 962
Goldstein E, 1018
González-Conejero R, 25
González-Torrecilla E, 460
Gorgels APM, 1683
Gorman G, 922
Gosselink ATM, 999
Goto M, 599
Gottlieb S, 252
Gottlieb SS, 1051
Gotto AM Jr, 1611
Gotzmann M, 1072
Goy J-J, 308
Grabenstein JD, 160, 1309
Graf J, 1856
Graham TP Jr, 467, 1322, 1326, 1887

Grana M, 1295
Grande-Allen KJ, 54
Granger CB, 471
Grant AO, 1354
Gray WA, 327, 493
Grayburn PA, 329, 1064
Green LA, 1552
Green M, 2034
Greenberg B, 1064
Greenberg BH, 137
Greenberg J, 1193, 1201
Greenberg NL, 2042
Greene HL, 1906, 2034
Grego F, 1449
Grégoire J, 559
Griffin BP, 54
Grigioni F, 260
Grines CL, 508, 807, 1117, 1397
Grobbee DE, 1994
Groeneveld PW, 72
Grogan M, 595
Gross GJ, 133
Grube E, 805
Grude M, 1072
Grutter G, 1096
Gualco A, 158
Guédès A, 559
Guenzinger R, 2061
Gugliotta F, 868
Guida P, 65
Guillin M-C, 1753
Gullestad L, 252
Gulletta S, 868
Günther RW, 1856, 2048
Guntheroth WG, 467, 1733
Gurbel PA, 1172, 1392
Gurm HS, 1939
Guttman MA, 2078
Gylling H, 1794
Gyöngyösi M, 982

Haberer K, 499
Hachamovitch R, 50, 722
Hachiya H, 887
Haeberli A, 1748
Haerten K, 1769
Hagege AA, 1731
Halkin A, 1397
Halperin JL, 1
Hamilton RM, 133
Hamm CW, 229
Hammerstingl C, 1807
Hamsten A, 1013
Han SH, 1649
Hand M, 1552
Hanna IR, 635
Hanna MG, 922
Hansalia R, 1051
Hao S, 690
Haqqani H, 1488
Haramaki N, 589, 1280
Harrington RA, 321, 1939
Harris WH, 964, 1732
Haskell W, 1364
Hassan A, 553
Hassankhani A, 1269
Hauptmann KE, 1769
Hauser RG, 2026
Havranek EP, 1665
Hayes DL, 1672
Hayes KM, 1392
Hayes SW, 722
Hayward RA, 1474
Healey JS, 1832
Heeschen C, 229
Heidenreich PA, 72
Heinonen T, 553
Heiss C, 1441
Heller EN, 2034
Hellermann JP, 461
Helton TJ, 941
Hendel RC, 1494
Henderson RA, 221
Henein M, 163
Henry CR, 1513
Henry TD, 1513
Heresi GA, 1467
Hermann F, 461
Hermann M, 461
Hermiller J, 1193, 1201
Hermiller JB, 1172
Hernández R, 954
Hershberger RE, 969
Herzog CA, 391
Herzog WR, 1392
Hess OM, 1748
Hesse B, 982
Hetzer R, 915, 1081
Heuschmid M, 123
Heyndrickx GR, 216
Higano ST, 204
Higashi K, 733
Higashi Y, 1219
Hillege HL, 1905
Hilwig RW, 786
Himbert D, 1753
Hindricks G, 418
Hiramatsu O, 599
Hirano T, 901
Hiro T, 1961
Hirsch C, 1165
Hirshfeld JW Jr, 12B
Hjalmarson A, 252
Ho KKL, 198
Hobbs RE, 1538
Hochman JS, 832, 1552
Hodge DO, 43
Hodgkinson KA, 400
Hoetzer GL, 1547
Holmes DR Jr, 198, 204
Holmes JW, 668
Holmvang G, 1580
Holton JL, 922
Hong M-K, 351
Hoorntje JCA, 999
Hopkins PN, 1003, 1716
Horie M, 300
Horio T, 608
Horlick E, 499
Horne BD, 1435, 1638
Hornestam B, 705, 712
Hörnke M, 544
Horstman LL, 1467
Horton SC, 1435
Houghtaling PL, 54
Houyel L, 1826
Howard BV, 1787
Hoye A, 947, 1135
Hoylaerts MF, 1472
Hozumi T, 318
Hu BS, 104
Hu G, 1413
Huber K, 30
Huck C, 910
Hueb W, 328
Hughes S, 922
Huhtaniemi I, 1603
Hui W, 915
Huikuri HV, 278
Huisse M-G, 1753
Hummel M, 1081
Hunold P, 770
Hunt SC, 1003
Hürlimann D, 461
Hutten BA, 185
Huyber CM, 910

Iacoviello M, 65
Iadarola P, 158
Iakovou I, 805, 989, 1570
Ibrahim T, 544
Ibsen H, 705, 712
Ichigi Y, 1461
Ichihara T, 1406
Ichikawa S, 661
Ichikawa Y, 901
Ido T, 1849
Iervasi G, 439
Iesaka Y, 887
Ikeda H, 589, 1280
Ilovitch M, 1970
Imaizumi T, 589, 1280
Imboden K, 1748
Imoto K, 1961
Inagaki M, 300
Inami S, 652
Indermühle A, 754
Ingelsson E, 1802
Inglessis I, 965
Inoue K, 212
Inserte J, 293
Intermountain Heart Collaborative (IHC) Study Group, 1638
Investigators of the NHLBI Family Heart Study, 1716
Ioannidis JPA, 336, 1908
Irjala K, 1603
Ischinger T, 1769
Ishani A, 391
Ishibashi F, 652
Isobe M, 887
Ito H, 212
Ito S, 877
Ito Y, 1954
Iwakura K, 212
Iwamoto N, 733

Jackman WM, 1871, 1878
Jacobsen SJ, 87, 2088
Jalal SM, 595
Jani SM, 1759
Janssens U, 1654
Järvisalo MJ, 1603
Jayaweera AR, 565
Jensen KR, 1638
Jeremias A, 1908
Jernberg T, 533
Jesurum J, 493
Jiang X, 1707
Jimenez J, 743
Jimenez JJ, 1467
Jiménez-Candil J, 460
Jinnouchi H, 1622
John JM, 1638
Johnston N, 533
Jones RH, 1517, 1529
Jongbloed MRM, 343, 749
Jordanova N, 30
Jørgensen E, 982
Jousilahti P, 1413
Joyal D, 1900
Julius S, 705, 712
Just H, 1505
Jy W, 1467

Kadish AH, 1104
Kagaya Y, 1406, 1849
Kaiser C, 1482
Kajita T, 599
Kajiya F, 599
Kakkar R, 1419
Kalka C, 1441
Kalman JM, 154, 1488
Kambe M, 1219
Kaneko Y, 2012
Kangawa K, 608
Kantharia BK, 468
Kapadia SR, 1538
Kaplan BM, 1306
Kaplan NM, 1346
Karamlou T, 433
Karas RH, 1419
Karmarkar PV, 2078
Karmpaliotis D, 321, 357, 1781
Karon BL, 87
Karvouni E, 1908
Kasama S, 661
Kasapis C, 1563
Kasper W, 1769
Kastelein JJP, 185, 1620
Kastrati A, 479, 828
Kastrup A, 635
Kastrup J, 982
Katoh M, 2048
Katoh S, 1413
Katritsis DG, 1908
Katsimaglis G, 336
Katsura M, 599
Katz R, 268
Katz S, 1186
Kaufmann PA, 754
Kaul S, 565, 780
Kawabata K, 1461
Kawamoto T, 763
Kawano S, 212
Kawarabayashi T, 1594
Kawasaki M, 1954
Keeffe BG, 104
Keller P-F, 559, 1144
Kelm M, 1441
Kennedy LMA, 156
Kenny A, 433
Kenny RA, 1840
Kent K, 1980
Keramati S, 796
Kereiakes DJ, 1206, 1939
Keren G, 1018
Kern KB, 786
Kertai MD, 93
Kessler KM, 810, 1551
Kessler-Icekson G, 931
Kettering K, 123
Keung E, 790
Keymel S, 1441
Khabbaz KR, 1419
Khandheria BK, 20B, 1907
Khodaverdian R, 1435
Khunti K, 1043
Kiencke S, 1482
Kihara T, 733
Kilicaslan F, 285, 690
Kim J, 221
Kim J-J, 351
Kim RJ, 1104
Kim S-W, 1980
Kim Y-H, 351
King LP, 1388
Kipshidze N, 1734
Kirsh JA, 133
Kirtane AJ, 321, 357, 1781
Kishimoto I, 608
Kistler PM, 154, 1488
Kitagawa K, 901
Kitta Y, 1461
Kiyooka T, 599
Kjekshus J, 252
Kjeldsen SE, 705, 712
Kleiman N, 1939
Kline-Rogers E, 1759
Kloner RA, 939, 1368, 1775
Klotz S, 668
Knoke JD, 137
Knowlton KU, 137
Kobashigawa JA, 1532
Køber L, 525
Kobza R, 418
Kodama Y, 1461
Koelling TM, 381
Koga H, 1622
Koglin J, 1201, 1946
Koglin JJ, 1193
Koh KK, 1649
Komatsu N, 1406
Kong S-L, 272, 677
Koning EJ, 1994
Konrad T, 1932
Konstam MA, 617, 1419, 2096
Koos R, 2048
Kopp AF, 123
Koskenvuo M, 1603
Kottkamp H, 418
Kovacic JC, 1549
Krabill KA, 493
Krawczynska E, 1494
Kreissl M, 1505
Krenning BJ, 93
Kreps EM, 995
Krestin GP, 128
Kreutzer J, 1844
Kristianson K, 156
Kronzon I, 1907, 2095
Krötz F, 1700
Krucoff MW, 1206
Kruk M, 1980
Krumholz HM, 1147, 1552
Krumsdorf U, 377
Kubo T, 2012
Kubota S, 877
Kubzansky L, 637
Kuehl U, 1081
Kuettner A, 123
Kugiyama K, 1461, 1622
Kühl HP, 2048
Kula S, 1309
Kumakura H, 661
Kumar A, 161, 1815
Kumbhani DJ, 941
Kunii H, 1406
Kuntz RE, 1206, 1908
Kupprion C, 400
Kurabayashi M, 661
Kurosaki K, 877
Kushner FG, 1552
Kuskowski MA, 697

Kusuhara M, 733
Kutcher M, 1201
Kutcher MA, 1172
Kutryk MJB, 1574
Kutsumi Y, 877

L'Abbate A, 439
Lackner KJ, 1631
Lacroute JM, 515
Lakkis N, 19
Lakkis NM, 1223
L'Allier PL, 559, 1144
Lamas GA, 1552
Lamb HJ, 343, 749, 1109
Lamberti F, 1723
Lamblin N, 163
Lampert R, 1090
Lamy A, 838
Landzberg M, 9B
Lang CC, 868
Lange PE, 915
Lange R, 2061
Langenfeld M, 1932
Langeveld B, 1310
Lansky AJ, 508, 995, 1180, 1397
Larson MG, 685
Lasala JM, 1165, 1193
Lau C-P, 636
Lavie CJ, 963
Lazzara R, 1871, 1878
Leacche M, 14
Leder DM, 1781
Lederman RJ, 2078
Lee B-K, 351
Lee CW, 351
Lee DP, 363
Lee ET, 1787
Lee KW, 25
Lee P-Y, 636
Lee RJ, 1735
Lee S-W, 351
Lehto M, 705, 712
Leizorovicz A, 515
Lemaitre RN, 2022
Lengyel M, 325
Lenhart M, 2054
Lennon RJ, 204
Leon MB, 995, 1165, 1180
Leong-Poi H, 565
Lepäntalo M, 1794
Lerebours G, 855
Lerman A, 204
Lerman BB, 2B
Leslie WD, 1676
Lespérance J, 559
Levine BD, 1348
Levine RA, 770
Levy D, 685
Lew WYW, 137
Lewis BE, 1900
Leya FS, 1900
Li M, 1034
Li X, 433
Li Y, 1871
Libby P, 1600
Licata G, 2004
Lidón R-M, 293
Lima JAC, 98
Lin G, 1672
Lin H, 677
Lincoff AM, 1939
Lind L, 1802
Lindahl B, 533
Lindbäck J, 533
Lindgren K, 278
Lindholm LH, 705, 712
Lindner JR, 780
Link MS, 1369, 1371
Linka A, 1482
Linz PE, 160
Lip GYH, 25
Lipshultz SE, 1734
Liu H, 1871
Liu P, 617
Liu PP, 1823
Loebe M, 962
Logsetty G, 553
Loke IW, 1043
Lombardi M, 439
Long JW, 1435
Lonn E, 1987
López F, 25
Lopez-Sendon J, 525
Loricchio ML, 1723
Lotfi A, 19
Louis AA, 1654
Love C, 2096
Low AF, 82
Lowes B, 1064
Lübben G, 1932
Lubos E, 1631
Lucas DL, 1925
Luchner A, 2054
Lüderitz B, 1807
Lui HK, 1180
Lüscher TF, 461
Luzzi G, 65
Ly H, 357
Lysyansky P, 2042

Macaluso F, 846
Macaya C, 324, 954
MacCarthy P, 216
Machecourt J, 515
MacRae CA, 82, 922
Maddahi J, 1494
Maehara K, 2093
Maekawa Y, 212
Magnano AR, 1428
Magne I, 896
Magosaki N, 1505
Magyar WA, 1538
Mahmud E, 796
Mahnken AH, 2048
Mahoney DW, 87
Mahoney EM, 838
Mäkikallio TH, 278
Mäkinen J, 1603, 1603
Makino K, 901
Makkena B, 631
Malinin AI, 246
Manganelli F, 464
Mangiameli D, 573
Manguso F, 868
Mann JT, 1193, 1201
Manoharan G, 216
Marcel B, 456
Marcus F, 860
Marian AJ, 1611
Mariano E, 424
Marín F, 25
Mark B, 1769
Marks AR, 668
Markwardt C, 828
Marlière S, 515
Maron BJ, 697, 1251, 1312, 1318, 1322, 1340, 1371, 1373
Marrouche NF, 285, 690
Martin DO, 285
Martin ET, 162
Martin S, 1186
Martinez C, 98
Martinez E, 328
Martinez V, 743
Martinezclark P, 321
Martínez-Sánchez J, 460
Martin-Miklovic MG, 2042
Martinoff S, 828
Maruyama Y, 2093
Marx N, 1932
Maseri A, 238
Massaguer A, 293
Masura J, 505
Mathew V, 204
Mathieu P, 1034
Matsumoto Y, 1259
Matsumura Y, 318
Matsuura H, 300
Matsuzaki M, 1961
Mattle HP, 377
Maurer G, 30
Maurer M, 2095
Mauri L, 1206
Mauriello A, 1585
Mayo TW, 1388
Mazzone P, 868
McCarthy P, 1538
McCarthy PM, 962
McClelland RL, 198
McConnell MV, 104
McDaniel MC, 1379
McFadden EP, 128, 947, 1135, 1574, 1913
McGarry K, 922
McGoon MD, 1691
McGrain AC, 1235
McIntosh ML, 1435
McKenna WJ, 400, 922, 1251
McLaughlin M, 508
McLaughlin P, 499
McMurray J, 525
McVeigh ER, 2078
Mehilli J, 828
Mehra MR, 967, 1061, 1532
Mehran R, 508, 995, 1165, 1172, 1180, 1186, 1397
Mehta RH, 471
Meier B, 377, 1748
Meier P, 754
Meissner I, 1907
Melzi G, 989
Mende A, 1461
Menegolo M, 1449
Mensah K, 1287
Menteer J, 1844
Meo A, 1723
Merciaro G, 1295
MERIT-HF Study Group, 252
Mesas C, 868
Messroghli D, 1815
Metge CJ, 1676
Methe H, 1946
Meune C, 855
Meyer CH, 104
Meyer DM, 1388
Micari A, 780
Michel BA, 461
Michels VV, 595
Michev I, 805, 989, 1570
Michowitz Y, 1018
Mickley H, 635
Midei MG, 1180
Mielniczuk L, 2008
Mieres JH, 1494
Miettinen TA, 1794
Migrino RQ, 1580
Milani RV, 963
Milazzo D, 238
Miller JI, 1379
Miller TD, 43
Milliez P, 1243
Mills RM, 542
Minatoguchi S, 1954
Minor S, 285, 690
Mintz GS, 351, 995, 1980
Miorin M, 1449
Mirabet M, 293
Mirò J, 1306
Mishra RK, 553
Mitchell, JH, 1364
Mitchell KR, 1147
Mitchell LB, 2034
Mitten MJ, 1373
Mittleman MA, 1090
Mix M, 1505
Miyaji K, 877
Miyazaki A, 581
Miyoshi S, 300
Mizuno K, 652
Mocanu MM, 1287
Moe RM, 964, 1732
Mogensen J, 922
Mohri M, 1259
Moliterno DJ, 1757
Mollet NR, 128
Momiyama Y, 733
Monaco C, 238
Montenero AS, 573
Montorfano M, 805, 989, 1570
Mooney M, 1180, 1201
Moravec CS, 54
Moreno R, 324, 954
Morgan JA, 1308
Mori H, 599
Mori K, 608
Morillo CA, 1832
Morita H, 589
Morrow DA, 19, 1644
Morton JB, 1488
Mosby C, 336
Mosca L, 811
Moscucci M, 1759
Moses JW, 995, 1165
Motreff P, 515
Mourad J-J, 1243
Moussa I, 995
Mozaffarian D, 2022
Mucci RA, 770
Muchnik L, 1970
Muhlestein JB, 1435, 1638
Mullany CJ, 1552
Muller JE, 1090, 1580
Multidisciplinary Study of Right Ventricular Dysplasia Investigators, 860
Muneretto C, 1308
Münzel T, 1631
Murashige A, 1961
Murata I, 1954
Murata T, 1961
Murohara T, 1280
Murphy J, 160, 1532
Murphy O, 573
Murphy RT, 922
Murphy SA, 19, 321, 357, 1781
Myerburg RJ, 1348, 1354, 1369

Na Y, 1397
Nabauer M, 1946
Nadia T, 35
Nagata M, 733
Nagueh SF, 1223
Naito S, 877
Naka Y, 668, 1428
Nakajima Y, 1707
Nakamura H, 733
Nakamura T, 1461
Nam BH, 685
Namba M, 1594
Namdar M, 754
Namiuchi S, 1406
Narayan SM, 1269
Narkiewicz K, 910
Narula J, 137, 1974
Nasir K, 98
Natale A, 285, 690
Navis G, 1905
Nawata J, 1849
Ndrepepa G, 828
Negut C, 1025
Neidhart M, 461
Nekolla SG, 544, 828
Nemerson Y, 1081
Neubauer S, 629
Newburger JW, 1326
Newby LK, 832
Newman A, 268
Ng LL, 1043
Ng MKC, 363
Ng W, 636
Nguyen TA, 1157
Nicholson CI, 1513
Nieminen MS, 705, 712
Niesler U, 1441
Niessner A, 30
Nikfardjam M, 30
Nikolaychik V, 1734
Nikolsky E, 1165, 1397
Nishida Y, 1594
Nishimura DG, 104
Nishimura RA, 1322, 1340, 1672
Nissen SE, 1538
Nitz WR, 2054
Nitzsche EU, 1505
Noda T, 300
Nogami A, 877
Nohria A, 2008
Noll G, 461
Noon GP, 962
Norman MW, 400
Normand S-LT, 1147
Notomi Y, 2042
Nour KA, 1676
Nova RC, 786

Obata J-e, 1461
O'Brien KD, 62
O'Connor CM, 1550
O'Connor S, 133, 573
O'Donnell M, 1759
Oeser BT, 1532
Ogasawara Y, 599, 763
Ogawa H, 1622

Ogihara T, 212
Ogura M, 733
Oh J, 1064
Ohba T, 652
Ohba Y, 1259
Ohkuma S, 599
Ohlmann P, 1980
Ohman EM, 321, 832
Ohmori R, 733
Ohno K, 1707
Ohsuzu F, 733
Ohta J, 1406
Oikawa M, 1406, 1849
Oishi Y, 1219
Okamatsu K, 652
Okamura A, 212
O'Keefe JH Jr, 964, 1732
Okin PM, 2B, 1787
Okrainec K, 177
Okubo M, 1954
Okumura H, 608
O'Leary EL, 1235
Olgunturk R, 1309
Olschewski M, 1505
Olsen JV, 493
Olsen MH, 705, 712
Olshansky B, 1368, 1906, 2034
Olson LJ, 2015
Omran H, 1807
O'Neil-Callahan K, 336
O'Neill G, 1906
O'Neill W, 807
O'Neill WW, 1117, 1397
Ong ATL, 947, 1135, 1574, 1913
Opasich C, 158
OPTIMAAL Study Group, 156
Origuchi H, 1259
Ornato JP, 1552
Ortiz M, 460
Oryszak SJ, 2042
O'Shaughnessy C, 1193, 1201
Oshima S, 877
Oshima T, 1219
Osman E, 922
Osman F, 808
Osman NF, 439
Osswald S, 1482
Ostermayer S, 377
Otani H, 1849
Ottani F, 1545
Ottervanger JP, 999
Oz MC, 668
Ozkan M, 326
Ozono R, 1219
Ozturk C, 2078

Pache J, 828
Padilla F, 293
Paelinck BP, 1109
Paetzel C, 2054
Pagani FD, 381
Paglino G, 868
Palacios IF, 479
Palisi M, 1025
Palmieri G, 1585
Pandozi C, 1723
Papadimitriou J, 1051
Pappone C, 868
Parfrey PS, 400
Parikh P, 1379
Parizel PM, 1109
Park S-J, 351
Park S-W, 351
Parrinello G, 2004
Parry SW, 1840
Pascotto M, 780
Pascotto P, 873
Pasini E, 158
Passman R, 1104
Patel M, 1862
Patel R, 1223
Patel U, 1878
Paterna S, 2004
Pathirana D, 1081
Patrignani P, 1295
Patten RD, 1419
Patterson E, 1871
Patton KK, 82
Paul J-F, 1826
Pauly DF, 24B
Pauschinger M, 1081
Pearle DL, 1552
Pedra CAC, 2069
Pedra SRFF, 2069
Peltonen M, 1413
Pemberton J, 433
Penny WF, 198
Pereles FS, 1104
Perheentupa A, 1603
Perrino C, 1862
Pessanha BSS, 2078
Peters DC, 2078
Petersen SE, 629
Peterson ED, 79, 369, 832
Pezeshki B, 796
Pfeffer JG, 1856
Pfisterer M, 1482
Pfützner A, 1932
Pharand C, 1157
Pibarot P, 1034
Picard MH, 860
Pichard A, 1980
Pickering TG, 1346
Pignatelli P, 35
Pigott D, 629
Pijls NHJ, 216
Pillai M, 19
Pilote L, 177
Pingitore A, 439
Pinto DS, 1781
Piorkowski C, 312, 418
Pitzalis MV, 65
Pizzuto F, 424
Platia E, 1906
Platt R, 177
Plehn JF, 1064
Plicht B, 770
Plouin P-F, 1243
Po SS, 1871
Pocock SJ, 221
Podnar T, 505
Pohl U, 1700
Poldermans D, 93
Pöllänen P, 1603
Poller W, 1081
Pontes SC Jr, 326
Popma JJ, 1193
Popović ZB, 2042
Porter TR, 1235
Poulsen TS, 635
Prasad A, 508
Prasad SVN, 1862
Pratt CM, 531
Pregowski J, 1980
Pritchett AM, 87
PRO-TEE Registry Investigators, 326
Province MA, 1716
Puchol A, 460
Puddu PE, 424
Putz EJ, 104
Pyeritz RE, 1340

Qiao Q, 1413
Quan KJ, 1308
Quinones MA, 1223
Quon MJ, 1649

Raabe M, 1213
Rahimtoola SH, 20B, 111
Rahko P, 1064
Rahman AM, 321
Rahman MYAE, 915
Railo M, 1794
Raitakari OT, 1603
Raizner A, 1172
Rajagopalan N, 43
Rajamannan NM, 631
Ramakrishna G, 1691
Raman VK, 2078
Rame JE, 1667
Ramos E, 1051
RAMPART Investigators, 553
Rapezzi C, 93
Rashkow A, 252
Rastegar H, 1419
Rauch U, 1081
Rautaharju PM, 1716
Raval AN, 2078
Ravi BS, 1691
Raviele A, 320
Rawn JD, 14
Ray KK, 321, 1781
Redfield MM, 87
Regar E, 947, 1135, 1574, 1913
Reichek N, 1307
Reiken S, 668
Reinhardt J, 754
Reisman M, 493
Remme W, 525
Renda G, 1295
Renlund DG, 1638
REPLACE-2 Investigators, 1939
Reynolds D, 2096
Rezaee M, 363
Ricciardelli B, 464
Ricciotti E, 1295
Ridker PM, 1644
Ridocci F, 743
Riegger G, 2054
Riesen W, 461
Rifai N, 1644
Rigby AS, 1654
Ring WS, 1388
Riou J-Y, 1826
Ripoli A, 439
RITA-3 Trial Investigators, 221
Rizzello V, 93
Rizzon P, 65
Robertson M, 525
Rocchini A, 1326
Rockman HA, 1862
Rodeheffer RJ, 87
Rodriguez Granillo GA, 947
Rodriguez R, 98
Rodriguez-Granillo GA, 1135
Roe MT, 321, 832
Roger VL, 2088
Rogers CD, 14
Rokkedal J, 705
Roldán V, 25
Roman MJ, 1787
Rome JJ, 1844
Romeo F, 424
Romeo G, 1826
Romito R, 65
Rose LM, 1644
Rosen B, 98
Rosenfeld LE, 1906
Rosenfield K, 165
Ross AM, 1775
Rossi E, 238
Roth A, 1018
Rothenburger M, 1072
Rott D, 327
Roudaut R, 326
Rouleau J, 810
Rowland S, 1574
Rozanski A, 637, 1733
Rozenman Y, 1970
Rozner MA, 161
Rück A, 982
Ruddy TD, 1227
Rumsfeld JS, 79
Rupprecht HJ, 1631
Ruschitzka F, 461
Ruskin JN, 1090
Russell ME, 1165, 1172, 1180, 1186, 1201
Ruzyllo W, 982
Ryan CM, 2012
Ryan J, 336

Saab PG, 637
Sabaté M, 954
Sabatine MS, 244
Sachar R, 1538
Safar ME, 1243
Sagie A, 326
Sahn D, 137
Sahn DJ, 433
Saito Y, 1461
Sakai S, 652
Sakamoto T, 1594, 1622
Sakuma H, 901
Sakuma M, 1406, 1849
Sala S, 868
Salami A, 796
Salehian O, 499
Saliba W, 285, 690
Salim MA, 484
Saliola M, 35
Salti H, 631
Samouha E, 1970
Samson RA, 786
Sánchez-Muñoz J, 460
Sanders P, 154
Sanders SP, 858
Sanderson JE, 272, 677, 2095
Sando M, 2093
Sandquist CA, 433
Sangiorgi G, 1585
Sangiorgi GM, 805, 989, 1570
Sanguigni V, 35
Sano K, 1954
Sano T, 1594
Santinelli V, 868
Santini M, 1723
Saranathan M, 98
Sarembock IJ, 1939
Sari I, 780
Sarnak MJ, 268
Sarullo FM, 2004
Satler L, 1980
Sato S, 1707
Satran D, 1513
Saul JP, 581
Saunders J, 1419
Sawada S, 733
Sax J, 312
Saxonhouse SJ. 412
Sayre J, 1505
Schaer B, 1482
SCAI/SVMB/SVS Writing Committee, 165
Schalij MJ, 343, 749
Schampaert E, 10
Schaper J, 466
Scharf C, 633
Scheinert D, 312
Scheinert S, 312
Scheinman MM, 790, 866
Scheinowitz M, 931
Schelbert HR, 553, 1505
Scheld HH, 1072
Scherlag B, 1871
Scherlag BJ, 1878
Schindler TH, 1505
Schinkel AFL, 93
Schirdewahn P, 418
Schlüter M, 10
Schmalz W, 1769
Schmid FX, 2054
Schmidt A, 312
Schmidt H, 1807
Schmidt T, 805
Schmitz-Rode T, 1856
Schnabel R, 1631
Schneider B, 634
Schneiderman J, 1970
Schoels W, 966
Schofer J, 10
Schömig A, 544, 828
Schreiber W, 30
Schroeder S, 123
Schubert S, 915
Schuijf JD, 749
Schultheiss H-P, 1081
Schulz R, 1292
Schulz-Menger J, 1815
Schwaiger M, 544, 828
Schwartz RS, 1310, 1585
Schweiger MJ, 19
Schweikert RA, 285, 690
Schwerzmann M, 377, 499
Sciulli MG, 1295
Scognamiglio R, 1025
Scott C, 260
Sculpher MJ, 221
Sears SF Jr, 1090
Seiler C, 377, 754
Seimiya K, 652
Seitz J, 2054
Sekiguchi Y, 887
Seliger S, 268
Selker HP, 730
Selvanayagam JB, 629
Semigran MJ, 965
Senatore G, 873
Senges J, 1769
Seo Y-H, 1649
Serebruany VL, 246

JACC Vol. 45, No. 12, 2005
June 21, 2005:2099–105

Serruys PW, 128, 469, 947, 1135, 1574, 1913
Sessa TGD, 484
Setser RM, 2042
Seydoux C, 308
Shabari FR, 363
Shahid MSA, 326
Shaikh N, 1213
Shamsuzzaman ASM, 910
Shapiro EP, 1667
Share D, 1759
Sharma A, 1906
Sharpe DN, 525
Shaw LJ, 1494
Shea MA, 82
Shedd OL, 1733
Shen I, 433
Sherrid MV, 1251
Sherrill D, 860
Shi E, 1707
Shiba N, 1406
Shigeto F, 599
Shimada K, 1594
Shimizu W, 300
Shimokawa H, 599
Shin EK, 1649
Shinozaki Y, 599
Shiota T, 2042
Shioura KM, 1900
Shirato K, 1406, 1849
Shlipak MG, 268
Shlofmitz R, 1186
Shohet RV, 329
Sianos G, 947, 1135, 1574
Siegenthaler M, 308
Siegrist PT, 754
Sievert H, 377
Silveira A, 1013
Silvetti MS, 1096
Siminoff LA, 1388
Simkhovich BZ, 939
Simon DI, 14
Simoons ML, 93, 229
Singh JP, 1090
Singh M, 198, 1397
Sinha A-M, 633
Siscovick D, 268
Siscovick DS, 2022
Siu SC, 499
Sketch MH Jr, 369, 471
Sklenar J, 565
Skobel E, 633
Slater W, 2034
Sloan MA, 1552
Slotwiner DJ, 705
Smedema J-P, 1683
Smilde TDJ, 1905
Smith AL, 1532
Smith D, 1759
Smith DT, 1547
Smith SC Jr, 1552
Snell P, 1364
Snoep G, 1683
Soares PR, 328
Soeki T, 608
Sogorb F, 25
Sohn H-Y, 1700
Soler-Soler J, 293
Solomon AJ, 1906
Solzbach U, 1505
Somers VK, 910, 2015
Song G, 1104
Sonnenschein K, 947, 1135
Sora N, 868
Sorge R, 35
Soriano AO, 1467
Soriano B, 293
Soriano CJ, 743
Sorrentino M, 1379
Soudan B, 163
Souques M, 896
Sousa JER, 2069
Spaak J, 2012
Spagnoli LG, 1585
Sparks PB, 154, 1488
Speidl WS, 30
Spelsberg TC, 631
Spence SJ, 154
Spencer MP, 493
Sperling LS, 1379
Spertus JA, 1147
Spevack D, 2095
Spieker LE, 461
Spirito P, 1076
Spray TL, 9B, 1844
Sprung J, 1691
Spuentrup E, 2048
Squire IB, 1043
Stabile G, 873
Staibano M, 1723
Staico R, 2069
Staniback RF, 326
Stankovic G, 805
Starling RC, 1425, 1532, 1538
Stauffer BL, 1547
Stauffer J-C, 308
Steen IN, 1840
Steen LH, 1900
Steg PG, 1753
Stehman-Breen C, 268
Steinberg JS, 1733
Steinhubl SR, 246, 1302, 1757
Stellbrink C, 633
Stern S, 446
Stevenson IH, 154, 1488
Stevenson LW, 2008
Stewart KJ, 1667
Sticherling C, 1482
Stöllberger C, 634
Stone GW, 508, 995, 1165, 1172, 1180, 1186, 1193, 1201, 1397, 1775
Stone MA, 1043
Strauss AW, 1734
Strickland W, 1180, 1201
Stridsberg M, 533
Stroes ESG, 185
STS/AATS/SCAI, 1554
Stuckey TD, 508, 1397
Stuckless SN, 400
Stypmann J, 1072
Subramaniam M, 631
Sugi M, 1406
Sugioka K, 318
Sugiyama S, 1622
Sugiyasu A, 877
Suh W, 489
Sunagawa K, 300
Sundström J, 1802
Sundt TM III, 1672
Suryapranata H, 999
Sutton AGC, 806, 808
Sutton MSJ, 1064
Suzawa N, 901
Suzuki J, 1849
Suzuki T, 661
Svatikova A, 910
Swerdlow C, 468
Sylvén C, 982
Syrris P, 922
Szotowski B, 1081

Tacconelli S, 1295
TACTICS-TIMI-18 Investigators, 19
Tada H, 877, 1406
Taggart DP, 629
Tägil K, 982
Tajik J, 260
Takahashi A, 887
Takahashi T, 1849
Takano H, 1461
Takano M, 652
Takayama Y, 661
Takeda K, 901
Takemoto M, 1259
Takemoto Y, 318
Tamai S, 733
Tan Y, 1611
Tanaka A, 1594
Tanaka E, 599
Tanaka T, 1622
Tandri H, 98
Tang D, 1871
Tang R, 1013
Tang WHW, 1249
Taniguchi H, 733
Taniguchi K, 877
Tanner H, 418
Tantry US, 1392
Tardif J-C, 559, 1144
Tawakol A, 1580
TAXUS-IV Investigators, 1172, 1180, 1186
Taylor AJ, 1307
Tcheng JE, 508, 1397
Tebbe U, 1769
TEN-HMS Investigators, 1654
Tepper MR, 336
Teragawa H, 1219
Terashima M, 104
Thadani R, 326
Thennapan S, 631
Therrien J, 499
Thiele K, 433
Thierfelder L, 400
Thomas JD, 2042
Thompson PD, 1322, 1348, 1563
Thompson RB, 2078
Thosani A, 1428
Thuesen L, 982
Tiengo A, 1449
TIMI Study Group, 357, 1781
Timmer JR, 999
Tiret L, 1631
Title L, 1987
Tobis J, 489
Tobis JM, 1532
Togni M, 1748
Tokudome T, 608
Tommasi ED, 65
Tong AT, 326
Topol EJ, 246, 1939
Torzewski M, 1631
Touboul P, 515
TOVA Study Investigators, 1090
Towbin JA, 860, 1326, 1340, 1734
Toyama T, 661
Toyoda F, 300
Toyota E, 763
Tremmel JA, 363
Trigano A, 896
Trinkaus K, 1734
Troughton RW, 54
Trynosky K, 832
Tsagalou E, 1570
Tse D, 272
Tse H-F, 636
Tsimikas S, 137, 496
Tsirka AE, 1734
Tsuchiya K, 1954
Tsuchiya T, 877
Tsutsui JM, 1235
Tully SA, 1676
Tunaoglu FS, 1309
Tunick PA, 1907
Tuomilehto J, 1413
Turchi S, 439
Turco M, 1193, 1201, 1397
Turco P, 873
Turi ZG, 1766
Turk A, 633
Tuzcu EM, 1532, 1538
Tyczynski P, 1980

Udayakumar K, 369
Udelson JE, 730, 1307, 1340, 1419
Ujino K, 318
Ulrich M, 312
Umetani K, 1461
Ungerleider RM, 433
Unic D, 14
Usui K, 2012

Vaksmann G, 855
Valantine HA, 1532
Valgimigli M, 469, 1135
van Beusekom H, 1574
Van Camp SP, 1364
van Der Ent M, 1135
van Der Geest RJ, 1109
van der Giessen WJ, 947, 1135, 1574
van der Graaf Y, 1994
van der Wall EE, 343, 749
van Domburg RT, 93, 947, 1135, 1913
van Geuns R-J, 1683
Van Gilst WH, 1310
Van Guilder GP, 1547
Van Hare G, 1354
van Kroonenburgh MPG, 1683
van Mieghem CAG, 947, 1135
van Veldhuisen DJ, 1905
van't Hof AWJ, 999
Vanzetto G, 515
Vasan RS, 685
Vaz VD, 2069
Velasquez H, 1467
Veloso HH, 1905
Venge P, 533
Ventura HO, 967, 1061
Verma A, 285, 690
Verma S, 1987
Vernalis MN, 160
Verri M, 158
Vesely I, 54
Vicedomini G, 868
Vicente V, 25
Vigili de Kreutzenberg S, 1449
Viglio S, 158
Vikman S, 278
Violante A, 464
Violi F, 35
Virmani R, 1310, 1368, 1970
Voci P, 424
Vogel R, 754, 964, 1732
Vogel RA, 1317
Vohra JK, 154, 1488
von Leitner E-R, 1769
Vrints CJ, 1109

Wachtell K, 705, 712
Wagatsuma K, 204
Wagner IM, 2061
Wahl A, 377
Waikar SS, 1781
Waitkowska J, 1580
Waksman R, 1980
Walcher D, 1932
Wali RK, 1051
Walker RG, 786
Wallentin L, 533
Wang GS, 1051
Wang M, 272
Wang PJ, 1090
Wang TJ, 685
Wang X-Q, 565
Ward LM, 1676
Warner AL, 1906
Warner K, 1419
Warnes CA, 595
Wassef M, 1925
Wassmuth R, 1815
Watanabe H, 318
Watanabe J, 1406, 1849
Watanabe K, 1622, 2093
Watanabe N, 763
Watkins SP, 1667
Wazni O, 690
Wazni OM, 285
Weaver A, 1638
Weaver JA, 2042
Webb G, 499
Wedel H, 252
Weinhandl E, 391
Weintraub WS, 838
Weir MR, 1051
Weiss A, 1970
Weissman NJ, 1201, 1980
Weisz G, 995
Welch K, 381
Wenaweser P, 1748
Wentzel JJ, 846
Wenzelburger F, 1072
West RR, 1909
Westerink J, 1994
Weyman AE, 448
Whalley GA, 1731
Whang W, 1090
Wheatley GH III, 326
White HD, 471

White RD, 2042
Whitsel EA, 1716
Wichter T, 409, 1072
Wiegand D, 1946
Wijns W, 10, 216
Wikstrand J, 252
Wilcox R, 1939
Wildberger JE, 2048
Wilensky RL, 1970
Willenheimer R, 156
Willerson JT, 198, 1611
Williams B, 813
Windecker S, 377, 1748
Winkelman MO, 846
Wisdom P, 846
Witkowski A, 1980
Witt BJ, 2088
Witte DR, 1994
Wojta J, 30
Wolf MJ, 1862
Wolk MJ, 316, 627, 1916
Wolk R, 910
Wolski K, 1939
Wong SC, 1172, 1201
Wright JT Jr, 1346
Wu AH, 381
Wu LL, 1003

Xie F, 1235

Yada T, 599
Yamada M, 877
Yamaji H, 690
Yamamoto H, 1259
Yamamoto U, 1259
Yamanashi W, 1878
Yamao H, 1406
Yamauchi Y, 887
Yamaura Y, 763
Yan AT, 1823
Yan RT, 1987
Yancy CW, 1388
Yang PC, 104
Yang Y-m, 995
Yano Y, 1219
Yaoita H, 2093
Yasukawa H, 1280
Yekutieli D, 931
Yellon DM, 1287
Yeung AC, 363, 1532
Yigitbasi M, 915
Yip G, 272
Yip GW-K, 677
Yli-Mäyry S, 278
Yoerger DM, 860
Yogendran MS, 1676
Yoho JA, 1392
Yokoyama H, 1954
Yokoyama S, 1280
Yokoyama Y, 887
Yonemura A, 733
Yoshida K, 763
Yoshikawa J, 318, 1594
Yoshimura H, 1259
Yoshimura M, 1622
Yoshinari K, 2093
Yoshiyama M, 318
Yoshizumi M, 1219
Young JB, 1538
Young JJ, 1939
Yu C-M, 272, 677
Yuan Y, 838
Yue H, 1707
Yui M, 1406
Yusuf S, 391, 838, 1832

Zagrosek A, 1815
Zahn R, 1769
Zambrano JP, 1467
Zankov DP, 300
Zareba W, 860
Zeiher AM, 229
Zeiner A, 30
Zeltser I, 1844
Zenovich AG, 697
Zeppenfeld K, 343
Zerboni S, 1545
Zeymer U, 1769
Zhang Q, 272, 677
Zhang X-L, 1505
Zhang Y, 272, 677
Zhao Z, 391
Zhou X, 1954
Ziada KM, 1538
Ziemann J, 1441
Zijlstra F, 999, 1310
Zimetbaum PJ, 508
Zipes DP, 1312, 1318, 1354, 1369, 1373
Ziv O, 1428
Zoghbi WA, 326, 1223, 1739
Zoppo F, 873
Zorn G, 30
Zucker M, 962
Zumbo F, 573
Zwolle Myocardial Infarction Study Group, 999

Journal of the American College of Cardiology
© 2005 by the American College of Cardiology Foundation
Published by Elsevier Inc.

Vol. 45, No. 12, 2005
ISSN 0735-1097/05/$30.00

Subject Index: Volume 45

Abdominal aortic aneurysms
Real-time magnetic resonance-guided endovascular repair of experimental abdominal aortic aneurysm in swine, 2069
Ablation
See also Surgery
Focal atrial tachycardia from the ostium of the coronary sinus, 1488
Multislice computed tomography versus intracardiac echocardiography to evaluate the pulmonary veins before radiofrequency catheter ablation of atrial fibrillation, 343
Need for atrial flutter ablation following pulmonary vein antrum isolation in patients with and without previous cardiac surgery, 690
Outflow tract tachycardia with R/S transition in lead V_3, 418
Radiofrequency ablation of "benign" right ventricular outflow tract extrasystole? (editorial), 1266
Radiofrequency catheter ablation of premature ventricular complexes from right ventricular outflow tract improves left ventricular dilation and clinical status in patients without structural heart disease, 1259
Role of transtelephonic electrocardiographic monitoring in detecting short-term arrhythmia recurrences after radiofrequency ablation in patients with atrial fibrillation, 873
Transcatheter cryoablation of tachyarrhythmias in children, 133
Transcatheter radiofrequency ablation of atrial fibrillation in patients with mitral valve prostheses and enlarged atria, 868
ACC
American College of Cardiology and American Heart Association methodology for the selection and creation of performance measures for quantifying the quality of cardiovascular care, 1147
Major meetings and the phenomenon of late-breaking clinical trials, 1304
ACC News
Newly elected members of the college, 802
President's page: imaging: not a black and white issue, 627
President's page: it's in your hands, 1904
President's page: the future is now: ACC goes to Washington, 316
President's page: upon convocation: dream big, love big, 1142
President's page: women in cardiology: leading our present, guiding our future, 1543
Acute coronary syndromes
Angioscopic follow-up study of coronary ruptured plaques in nonculprit lesions, 652
Coronary syndromes following aspirin withdrawal, 456
Enhanced T-helper-1 lymphocyte activation patterns in acute coronary syndromes, 1939
Gender and myocardial salvage after reperfusion treatment in acute myocardial infarction, 828
Gender disparities in the diagnosis and treatment of non–ST-segment elevation acute coronary syndromes, 832
Health-related quality of life after interventional or conservative strategy in patients with unstable angina or non–ST-segment elevation myocardial infarction, 221
Long-term cost-effectiveness of clopidogrel given for up to one year in patients with acute coronary syndromes without ST-segment elevation, 838
Outcomes with the paclitaxel-eluting stent in patients with acute coronary syndromes, 1165
Plaque rupture and intracoronary thrombus in nonculprit vessels (editorial), 659
Pregnancy-associated plasma protein-A levels in patients with acute coronary syndromes, 229
Prognostic implications of elevated troponin in patients with suspected acute coronary syndrome but no critical epicardial coronary disease, 19
Serial analyses of N-terminal pro-B-type natriuretic peptide in patients with non–ST-segment elevation acute coronary syndromes, 533
Serum blood urea nitrogen as an independent marker of subsequent mortality among patients with acute coronary syndromes and normal to mildly reduced glomerular filtration rates, 1782
Year in interventional cardiology, 1117
Acute myocardial infarction
See Myocardial infarction
Adenosine
Quantitative relation between hemodynamic changes during intravenous adenosine infusion and the magnitude of coronary hyperemia, 553
Randomized, double-blinded, placebo-controlled multicenter trial of adenosine as an adjunct to reperfusion in the treatment of acute myocardial infarction (AMISTAD-II), 1776
Adenosine monophosphate-activated protein kinase
Adenosine monophosphate-activated protein kinase disease mimicks hypertrophic cardiomyopathy and Wolff-Parkinson-White syndrome, 922
Adenosine stress myocardial perfusion scintigraphy
Prognostic score for prediction of cardiac mortality risk after adenosine stress myocardial perfusion scintigraphy, 722
β-Adrenergic receptor kinase 1
Targeted inhibition of βARK1-associated phosphoinositide 3-kinase activity preserves β-adrenergic receptor signaling and prolongs survival in heart failure induced by calsequestrin overexpression, 1863
β-Adrenergic receptors
Targeted inhibition of βARK1-associated phosphoinositide 3-kinase activity preserves β-adrenergic receptor signaling and prolongs survival in heart failure induced by calsequestrin overexpression, 1863
African Americans
See also Race
Care disparities (editorial), 79
Trends in implantable cardioverter-defibrillator racial disparity, 72
Afterload
Afterload reduction in chronic aortic regurgitation (editorial), 1031
AHA
American College of Cardiology and American Heart Association methodology for the selection and creation of performance measures for quantifying the quality of cardiovascular care, 1147
Alcohol
Alcohol and the cardiovascular system: research challenges and opportunities, 1916
Aldosterone
Evidence for an increased rate of cardiovascular events in patients with primary aldosteronism, 1243
Should we consider aldosterone as the primary screening target for preventing cardiovascular events? (editorial), 1249
Ambulatory Holter electrocardiography
Spectrum and prognostic significance of arrhythmias on ambulatory Holter electrocardiogram in hypertrophic cardiomyopathy, 697
Amino acids
Increased skeletal muscle amino acid release with light exercise in deconditioned patients with heart failure (letter), 158
Amnesia
Amnesia for loss of consciousness in carotid sinus syndrome—implications for presentation with falls, 1841
Amplatzer septal occluders
Cardiac perforation after device closure of atrial septal defects with the Amplatzer Septal Occluder, 1213
Long-term outcome of transcatheter secundum-type atrial septal defect closure using Amplatzer septal occluders, 505
Reversible atrioventricular block and the Amplatzer device (letter), 1306
Analgesics
Use of anti-inflammatory analgesics in the patient with cardiovascular disease (editorial), 1302
Andropause
Andropause and intima media thickness (editorial), 1609
Increased carotid atherosclerosis in andropausal middle-aged men, 1603
Anemia
Angiotensin-converting enzyme inhibitor as a risk factor for the development of anemia, and the impact of incident anemia on mortality in patients with left ventricular dysfunction, 391
Further aspects of anemia, heart failure, and erythropoietin (letter), 1549
Aneurysms
Real-time magnetic resonance-guided endovascular repair of experimental abdominal aortic aneurysm in swine, 2069
Transcatheter treatment of atrial septal aneurysm associated with patent foramen ovale for prevention of recurrent paradoxical embolism in high-risk patients, 377
Angina pectoris
Advantage of percutaneous coronary intervention over medical therapy in angina relief and the placebo effect (letter), 327
Direct intramyocardial plasmid vascular endothelial growth factor-A_{165} gene therapy in patients with stable severe angina pectoris, 982
Prodromal angina limits infarct size in the setting of acute anterior myocardial infarction treated with primary percutaneous intervention (letter), 1545
Angiography
Angiographic patterns of restenosis after paclitaxel-eluting stent implantation, 805

Coronary stenosis detection by 16-slice computed tomography in heart transplant patients: comparison with conventional angiography and impact on clinical management, 1827
Improved diagnostic accuracy with 16-row multi-slice computed tomography coronary angiography, 128
Late angiographic stent thrombosis (LAST) events with drug-eluting stents, 2088
Noninvasive assessment of coronary vasodilation using magnetic resonance angiography, 104
Relationship between angiographic late loss and target lesion revascularization after coronary stent implantation, 1191

Angioplasty
See also Balloon angioplasty; Percutaneous transluminal coronary angioplasty
Definition of failed lysis may have influenced outcome in the MERLIN trial (letter), 808
Rescue angioplasty—The MERLIN trial (letter), 806

Angioscopy
Angioscopic follow-up study of coronary ruptured plaques in nonculprit lesions, 652

Angiotensin II
Absence of acute effects of angiotensin II on atrial electrophysiology in humans (letter), 154
Angiotensin II inhibition and prevention of atrial fibrillation and stroke (editorial), 720
Angiotensin II receptor blockade reduces new-onset atrial fibrillation and subsequent stroke compared to atenolol, 712

Angiotensin receptor blockers
Prevention of atrial fibrillation with angiotensin converting enzyme inhibitors and angiotensin receptor blockers: a meta-analysis, 1833

Angiotensin-converting enzyme inhibitors
Angiotensin-converting enzyme inhibitor as a risk factor for the development of anemia, and the impact of incident anemia on mortality in patients with left ventricular dysfunction, 391
Cardiac medical therapy in patients after undergoing coronary artery bypass graft surgery, 177
Did they lower stress in the trial? (editorial), 858
Effect of perindopril on the onset and progression of left ventricular dysfunction in Duchenne muscular dystrophy, 855
Prevention of atrial fibrillation with angiotensin converting enzyme inhibitors and angiotensin receptor blockers: a meta-analysis, 1833
Reduced atrial fibrillation incidence by angiotensin-converting enzyme inhibitors: a possible contributing mechanism (letter), 1144

Animal models
Prior exercise training improves the outcome of acute myocardial infarction in the rat, 931

Anterior fat pad
Preservation of the anterior fat pad and incidence of postoperative atrial fibrillation following coronary surgery (letter), 1308

Anticoagulants
See also Aspirin
Ximelagatran: oral direct thrombin inhibitor as anticoagulant therapy in atrial fibrillation, 1

Anti-inflammatory analgesics
Use of anti-inflammatory analgesics in the patient with cardiovascular disease (editorial), 1302

Antiplatelet therapy
Resistance to antiplatelet resistance: is it justified?, 1757
Stent thrombosis is associated with an impaired response to antiplatelet therapy, 1748
Variability in platelet responsiveness to clopidogrel among 544 individuals, 246

Aorta
Atherosclerosis of the aorta: risk factor, risk marker, or innocent bystander? (letter), 1907
Diagnosis of thin fibrous cap atheromas by a self-contained intravascular magnetic resonance imaging probe in *ex-vivo* human aortas and *in-situ* coronary arteries, 1961
Does shear stress modulate both plaque progression and regression in the thoracic aorta?, 846

Aortic annulus
Hemodynamic comparison of bioprostheses for complete supraannular position in patients with small aortic annulus, 2054

Aortic regurgitation
Afterload reduction in chronic aortic regurgitation (editorial), 1031
Long-term survival and functional results after aortic valve replacement in asymptomatic patients with chronic severe aortic regurgitation and left ventricular dysfunction, 1025
36th Bethesda Conference: Task force 3: valvular heart disease, 1334
Year in valvular heart disease, 111

Aortic stenosis
36th Bethesda Conference: Task force 2: congenital heart disease, 1326
36th Bethesda Conference: Task force 3: valvular heart disease, 1334
Year in valvular heart disease, 111

Aortic valve replacement
Clinical development of percutaneous heart valve technology, 1554
Long-term survival and functional results after aortic valve replacement in asymptomatic patients with chronic severe aortic regurgitation and left ventricular dysfunction, 1025

Apnea
Cardiac resynchronization therapy, central sleep apnea, and Cheyne-Stokes respiration in chronic heart failure patients (letter), 633
Inhibition of awake sympathetic nerve activity of heart failure patients with obstructive sleep apnea by nocturnal continuous positive airway pressure, Usui
Treating sleep apnea in heart failure patients: promises but still no prizes (editorial), 2012

Apolipoprotein CI
Apolipoprotein CI content of triglyceride-rich lipoproteins independently predicts early atherosclerosis in healthy middle-aged men, 1013

Apoptosis
Hibernating myocardium, apoptosis, and a simple mathematical task (letter), 466
Ventricular assist device therapy normalizes inducible nitric oxide synthase expression and reduces cardiomyocyte apoptosis in the failing human heart, 1419

Arrhythmias
See also Atrial fibrillation; Atrial flutter; Ventricular fibrillation; Ventricular tachycardia
Effects of left ventricular assist device therapy on ventricular arrhythmias, 1428
Idiopathic ventricular arrhythmia arising from the mitral annulus, 877
Mortality reduction by implantable cardioverter-defibrillators in high-risk patients with heart failure, ischemic heart disease, and new-onset ventricular arrhythmia, 1474
Role of transtelephonic electrocardiographic monitoring in detecting short-term arrhythmia recurrences after radiofrequency ablation in patients with atrial fibrillation, 873
Spectrum and prognostic significance of arrhythmias on ambulatory Holter electrocardiogram in hypertrophic cardiomyopathy, 697
36th Bethesda Conference: Task force 7: arrhythmias, 1354
World Trade Center attack and cardiac events: fact or fear? (letter), 1732
Year in clinical electrophysiology, 790

Arrhythmogenic right ventricular cardiomyopathy
Impact of implantable cardioverter-defibrillator therapy on survival in autosomal-dominant arrhythmogenic right ventricular cardiomyopathy (ARVD5), 400
Implantable cardioverter-defibrillator therapy in arrhythmogenic right ventricular cardiomyopathy (editorial), 409
Noninvasive detection of myocardial fibrosis in arrhythmogenic right ventricular cardiomyopathy using delayed-enhancement magnetic resonance imaging, 98
36th Bethesda Conference: Task force 4: HCM and other cardiomyopathies, mitral valve prolapse, myocarditis, and Marfan syndrome, 1340

Arrhythmogenic right ventricular dysplasia
Echocardiographic findings and the search for a gold standard in patients with arrhythmogenic right ventricular dysplasia (editorial), 866
Echocardiographic findings in patients meeting task force criteria for arrhythmogenic right ventricular dysplasia, 860

Arterial switch operation
Intracoronary ultrasound assessment late after the arterial switch operation for transposition of the great arteries, 2061

Arteriotomy
Vascular complications and arteriotomy during percutaneous coronary procedures (letter), 2095

Aspirin
Coronary syndromes following aspirin withdrawal, 456
Highlights of the year in *JACC* 2004, 137
Is aspirin resistance or female gender associated with a high incidence of myonecrosis after nonurgent percutaneous coronary intervention? (letter), 635
Pharmacodynamic interaction of naproxen with low-dose aspirin in healthy subjects, 1295

Atenolol
Angiotensin II receptor blockade reduces new-onset atrial fibrillation and subsequent stroke compared to atenolol, 712

Atheromas
Diagnosis of thin fibrous cap atheromas by a self-contained intravascular magnetic resonance imaging probe in *ex-vivo* human aortas and *in-situ* coronary arteries, 1961

Atherosclerosis
See also Coronary artery disease
Apolipoprotein CI content of triglyceride-rich lipoproteins independently predicts early atherosclerosis in healthy middle-aged men, 1013
Atherosclerosis of the aorta: risk factor, risk marker, or innocent bystander? (letter), 1907

Common *PCSK9* haplotype, encompassing the E670G coding single nucleotide polymorphism, is a novel genetic marker for plasma low-density-lipoprotein cholesterol levels and severity of coronary atherosclerosis, 1611
Does shear stress modulate both plaque progression and regression in the thoracic aorta?, 846
Endothelial progenitor obsolescence and atherosclerotic inflammation (editorial), 1458
Increased carotid atherosclerosis in andropausal middle-aged men, 1603
Intravascular ultrasound evidence of angiographically silent progression in coronary atherosclerosis predicts long-term morbidity and mortality after cardiac transplantation, 1538
Involvement of tumor necrosis factor-related apoptosis-inducing ligand (TRAIL) in atherosclerosis, 1018
Long-term safety of intravascular ultrasound in nontransplant, nonintervened, atherosclerotic coronary arteries, 559
Plasma triglycerides and type III hyperlipidemia are independently associated with premature familial coronary artery disease, 1003
Primary and a half prevention—can we identify asymptomatic subjects with high vascular risk? (editorial), 1994
Should we screen for occult coronary artery disease among asymptomatic patients with diabetes?, 50

Atherosclerotic plaque
Act local, act global (editorial), 1600
Angioscopic follow-up study of coronary ruptured plaques in nonculprit lesions, 652
Detection of lipid-laden atherosclerotic plaque by wavelet analysis of radio-frequency intravascular ultrasound signals: in vitro validation and preliminary in vivo application, 1954
Diffuse and active inflammation occurs in both vulnerable and stable plaques of the entire coronary tree, 1585
Does shear stress modulate both plaque progression and regression in the thoracic aorta?, 846
Effect of lipid-lowering therapy with atorvastatin on atherosclerotic aortic plaques detected by noninvasive magnetic resonance imaging, 733
Incidence and clinical correlates of ruptured plaques in saphenous vein grafts: an intravascular ultrasound study, 1974
Multiple plaque rupture and C-reactive protein in acute myocardial infarction, 1594
Picking plaques that pop. . . (editorial), 1970
Plant sterols in serum and in atherosclerotic plaques of patients undergoing carotid endarterectomy, 1795
Plaque rupture and intracoronary thrombus in nonculprit vessels (editorial), 659
Volumetric quantitative analysis of tissue characteristics of coronary plaques after statin therapy using three dimensional integrated backscatter intravascular ultrasound (3D IB-IVUS), 1946

Atherothrombosis
Another look at the age-old question (editorial), 244
Increase of C-reactive protein is associated with enhanced activation of endogenous fibrinolysis at baseline but an impaired endothelial fibrinolytic response after venous occlusion, 30
Persistent systemic inflammation in unstable angina is largely unrelated to the atherothrombotic burden, 238

Athletes
Detection of pathologic or physiologic left ventricular remodeling in athletes (letter), 1731
36th Bethesda Conference: eligibility recommendations for competitive athletes with cardiovascular abnormalities, 1313

Atorvastatin
See also Statins
Additive beneficial effects of fenofibrate combined with atorvastatin in the treatment of combined hyperlipidemia, 1649
Atorvastatin decreases cellular proliferation and bone matrix expression in the hypercholesterolemic mitral valve (letter), 631
Effect of lipid-lowering therapy with atorvastatin on atherosclerotic aortic plaques detected by noninvasive magnetic resonance imaging, 733
Failure to protect the myocardium against ischemia/reperfusion injury after chronic atorvastatin treatment is recaptured by acute atorvastatin treatment, 1287
Relative efficacy of atorvastatin 80 mg and pravastatin 40 mg in achieving he dual goals of low-density lipoprotein cholesterol, 1644

Atrial fibrillation
Angiotensin II inhibition and prevention of atrial fibrillation and stroke (editorial), 720
Angiotensin II receptor blockade reduces new-onset atrial fibrillation and subsequent stroke compared to atenolol, 712
Are transthoracic echocardiographic parameters associated with atrial fibrillation recurrence or stroke? Results from the AFFIRM study, 2026
Atrial fibrillation: the ancient conundrum defies simple solution, 1814
Autonomically induced conversion of pulmonary vein focal firing into atrial fibrillation, 1879
Beta-blockers versus digoxin to control ventricular rate during atrial fibrillation (letter), 1906
Cardiovascular morbidity and mortality in hypertensive patients with a history of atrial fibrillation, 705
Discordant atrial natriuretic peptide and brain natriuretic peptide levels in lone atrial fibrillation, 82
Heart rate turbulence after atrial premature beats before spontaneous onset of atrial fibrillation, 278
Highlights of the year in *JACC* 2004, 137
Multislice computed tomography versus intracardiac echocardiography to evaluate the pulmonary veins before radiofrequency catheter ablation of atrial fibrillation, 343
N-3 fatty acids for the prevention of atrial fibrillation after coronary artery bypass surgery, 1723, 1723
Patients with atrial fibrillation and dense spontaneous echo contrast at high risk—a prospective and serial follow-up over 12 months with transesophageal echocardiography and cerebral magnetic resonance imaging, 1808
Preservation of the anterior fat pad and incidence of postoperative atrial fibrillation following coronary surgery (letter), 1308
Prevention of atrial fibrillation with angiotensin converting enzyme inhibitors and angiotensin receptor blockers: a meta-analysis, 1833
Rapid and stable reentry within the pulmonary vein as a mechanism initiating paroxysmal atrial fibrillation, 1872
Reduced atrial fibrillation incidence by angiotensin-converting enzyme inhibitors: a possible contributing mechanism (letter), 1144
Role of transtelephonic electrocardiographic monitoring in detecting short-term arrhythmia recurrences after radiofrequency ablation in patients with atrial fibrillation, 873
36th Bethesda Conference: Task force 7: arrhythmias, 1354
Transcatheter radiofrequency ablation of atrial fibrillation in patients with mitral valve prostheses and enlarged atria, 868
Ximelagatran: oral direct thrombin inhibitor as anticoagulant therapy in atrial fibrillation, 1
Year in cardiovascular surgery, 1517

Atrial flutter
Long-term efficacy of cryo catheter ablation for the treatment of atrial flutter, 573
Need for atrial flutter ablation following pulmonary vein antrum isolation in patients with and without previous cardiac surgery, 690
Separating non–isthmus- from isthmus-dependent atrial flutter using wavefront variability, 1269
36th Bethesda Conference: Task force 7: arrhythmias, 1354

Atrial natriuretic peptide
Discordant atrial natriuretic peptide and brain natriuretic peptide levels in lone atrial fibrillation, 82
Year in valvular heart disease, 111

Atrial pacing
Right atrial pacing impairs cardiac function during resynchronization therapy, 1482

Atrial premature beats
Heart rate turbulence after atrial premature beats before spontaneous onset of atrial fibrillation, 278

Atrial septal aneurysm
Transcatheter treatment of atrial septal aneurysm associated with patent foramen ovale for prevention of recurrent paradoxical embolism in high-risk patients, 377

Atrial septal defect
Association of interatrial shunts and migraine headaches, 489
Cardiac perforation after device closure of atrial septal defects with the Amplatzer Septal Occluder, 1213
Highlights of the year in *JACC* 2004, 137
Improvements in cardiac form and function after transcatheter closure of secundum atrial septal defects, 499
Long-term outcome of transcatheter secundum-type atrial septal defect closure using Amplatzer septal occluders, 505
36th Bethesda Conference: Task force 2: congenital heart disease, 1326

Atrial tachycardia
Focal atrial tachycardia from the ostium of the coronary sinus, 1488

Atrioventricular block
Reversible atrioventricular block and the Amplatzer device (letter), 1306
36th Bethesda Conference: Task force 7: arrhythmias, 1354

Atrioventricular junction
Transvenous cryothermal catheter ablation of re-entry circuit located near the atrioventricular junction in pediatric patients, 1096

Atrioventricular junctional complexes
36th Bethesda Conference: Task force 7: arrhythmias, 1354
Atrioventricular nodal re-entry tachycardia
Cryo-ablation for septal tachycardia substrates in pediatric patients, 581
Automated external defibrillators
Better outcome after pediatric defibrillation dosage than adult dosage in a swine model of pediatric ventricular fibrillation, 786
36th Bethesda Conference: Task force 10: automated external defibrillators, 1364
Autosomal-dominant hypercholesterolemia
Common *PCSK9* haplotype, encompassing the E670G coding single nucleotide polymorphism, is a novel genetic marker for plasma low-density-lipoprotein cholesterol levels and severity of coronary atherosclerosis, 1611
Balloon angioplasty
Coronary stenting versus balloon angioplasty in small vessels (letter), 323
Impact of re-coarctation following the Norwood operation on survival in the balloon angioplasty era, 1845
Bare-metal stents
Drug-eluting stent thrombosis, 954
Thirty-day incidence and six-month clinical outcome of thrombotic stent occlusion after bare-metal, sirolimus, or paclitaxel stent implantation, 947
Treatment of saphenous vein graft lesions with drug-eluting stents, 989
What is the risk of stent thrombosis associated with the use of paclitaxel-eluting stents for percutaneous coronary intervention?, 941
Beta blockers
Beta-blockers versus digoxin to control ventricular rate during atrial fibrillation, 1906
Beta-adrenergic pathways
Left ventricular assist device support normalizes left and right ventricular beta-adrenergic pathway properties, 668
Beta-blockers
Three decades of clinical trials with beta-blockers (editorial), 531
What resting heart rate should one aim for when treating patients with heart failure with a beta-blocker?, 252
Bethesda Conference
Eligibility recommendations for competitive athletes with cardiovascular abnormalities, 1313
Introduction: eligibility recommendations for competitive athletes with cardiovascular abnormalities—general considerations, 1318
Task force 1: preparticipation screening and diagnosis of cardiovascular disease in athletes, 1322
Task force 2: congenital heart disease, 1326
Task force 3: valvular heart disease, 1334
Task force 4: HCM and other cardiomyopathies, mitral valve prolapse, myocarditis, and Marfan syndrome, 1340
Task force 5: systemic hypertension, 1346
Task force 6: coronary artery disease, 1348
Task force 7: arrhythmias, 1354
Task force 8: classification of sports, 1364
Task force 9: drugs and performance-enhancing substances, 1368
Task force 10: automated external defibrillators, 1369
Task force 11: commotio cordis, 1371
Task force 12: legal aspects of the 36th Bethesda Conference recommendations, 1373
Bicuspid aortic valve
Highlights of the year in *JACC* 2004, 137
Year in valvular heart disease, 111
Bicuspid aortic valves with aortic root dilatation
36th Bethesda Conference: Task force 3: valvular heart disease, 1334
Bioelectrical impedance
Changes in BNP levels and bioelectrical impedance measurements after treatment with high dose furosemide and hypertonic saline solution versus high dose of furosemide along, in refractory congestive heart failure, 1997
Bioprostheses
See also Prosthetic heart valves
Hemodynamic comparison of bioprostheses for complete supraannular position in patients with small aortic annulus, 2054
Bivalirudin
Use of bivalirudin during percutaneous coronary intervention in patients with diabetes mellitus: an analysis from the REPLACE-2 trial, 1932
Blood urea nitrogen
Serum blood urea nitrogen as an independent marker of subsequent mortality among patients with acute coronary syndromes and normal to mildly reduced glomerular filtration rates, 1782
Body mass index
Prognostic importance of body mass index after complicated myocardial infarction (letter), 156
Brachial artery
Relationship between carotid artery intima-media thickness and brachial artery flow-mediated dilation in middle-aged healthy men, 1980
B-type natriuretic peptide
Changes in BNP levels and bioelectrical impedance measurements after treatment with high dose furosemide and hypertonic saline solution versus high dose of furosemide along, in refractory congestive heart failure, 1997
Community screening for left ventricular systolic dysfunction using plasma and urinary natriuretic peptides, 1043
Discordant atrial natriuretic peptide and brain natriuretic peptide levels in lone atrial fibrillation, 82
Efficacy of brain natriuretic peptide levels in differentiating constrictive pericarditis from restrictive cardiomyopathy, 1901
Incremental predictive power of B-type natriuretic peptide and tissue Doppler echocardiography in the prognosis of patients with congestive heart failure, 1223
Obesity and B-type natriuretic peptide levels in heart failure (letter), 967
Relationship between B-type natriuretic peptides and pulmonary capillary wedge pressure in the intensive care unit, 1667
Serial analyses of N-terminal pro-B-type natriuretic peptide in patients with non–ST-segment elevation acute coronary syndromes, 533
Warning! Context-sensitive data (editorial), 542
Year in valvular heart disease, 111
Candesartan
Effects of candesartan on cardiac sympathetic nerve activity in patients with congestive heart failure and preserved left ventricular ejection fraction, 661
Carbon monoxide poisoning
Cardiovascular manifestations of moderate to severe carbon monoxide poisoning, 1513
Cardiac allograft vasculopathy
Multicenter intravascular ultrasound validation study among heart transplant recipients, 1532
Cardiac magnetic resonance
Cardiac magnetic resonance imaging training (letter), 1307
Cardiac magnetic resonance training: how we can get there from here (letter), 1306
Cardiovascular magnetic resonance for the diagnosis of acute myocarditis: prospects for detecting myocardial inflammation, 1824
Diagnostic performance of cardiovascular magnetic resonance in patients with suspected acute myocarditis: comparison of different approaches, 1816
Does subclinical hypothyroidism affect cardiac pump performance?, 439
Effect of lipid-lowering therapy with atorvastatin on atherosclerotic aortic plaques detected by noninvasive magnetic resonance imaging, 733
Feasibility of tissue magnetic resonance imaging, 1109
Infarct morphology identifies patients with substrate for sustained ventricular tachycardia, 1104
Late gadolinium-enhanced magnetic resonance imaging in acute and chronic myocardial infarction, 901
Noninvasive detection of myocardial fibrosis in arrhythmogenic right ventricular cardiomyopathy using delayed-enhancement magnetic resonance imaging, 98
Noninvasive diagnosis of coronary artery disease in patients with heart failure and systolic dysfunction of uncertain etiology, using late gadolinium-enhanced cardiovascular magnetic resonance, 743
Pacemaker complication during magnetic resonance imaging (letter), 161
Quantitative measurement of infarct size by contrast-enhanced magnetic resonance imaging early after acute myocardial infarction, 544
Relationship of irreversible myocardial injury to troponin I and creatine kinase-MB elevation after coronary artery bypass surgery: insights from cardiovascular magnetic resonance imaging (letter), 629
Cardiac output
Use of live three-dimensional Doppler echocardiography in the measurement of cardiac output, 433
Cardiac perforation
Cardiac perforation after device closure of atrial septal defects with the Amplatzer Septal Occluder, 1213
Cardiac rehabilitation
Cardiac rehabilitation after myocardial infarction in the community (letter), 1909
Cardiac resynchronization therapy
Cardiac resynchronization therapy, central sleep apnea, and Cheyne-Stokes respiration in chronic heart failure patients (letter), 633
Cardiac resynchronization therapy 101 (editorial), 70
Noninvasive visualization of the cardiac venous system using multislice computed tomography, 749
Novel tool to assess systolic asynchrony and identify responders of cardiac resynchronization therapy by tissue synchronization imaging, 677
Right atrial pacing impairs cardiac function during resynchronization therapy, 1482

JACC Vol. 45, No. 12, 2005
June 21, 2005:2106–28

Ventricular asynchrony predicts a better outcome in patients with chronic heart failure receiving cardiac resynchronization therapy, 65
Cardiac sarcoidosis
Evaluation of the accuracy of gadolinium-enhanced cardiovascular magnetic resonance in the diagnosis of cardiac sarcoidosis, 1683
Cardiac surgery
See also Surgery
Intraoperative crossover: the well-kept surgical secret to apparent surgical success, 1529
Need for atrial flutter ablation following pulmonary vein antrum isolation in patients with and without previous cardiac surgery, 690
Cardiac sympathetic nerve activity
Effects of candesartan on cardiac sympathetic nerve activity in patients with congestive heart failure and preserved left ventricular ejection fraction, 661
Cardiac transplantation
See Heart transplantation
Cardiogenic shock
Does inhaled nitric oxide support the hemodynamics of spontaneous breathing patients with cardiogenic shock related to right ventricular myocardial infarction? (letter), 965
Cardiologists
Cardiologist in the carotids (letter), 326
Morphing of cardiovascular specialists, 960
Note on the history of cardiology: Dr. Otto Klein, 1881 to 1968, 446
Quality of care reigns supreme: cardiologist at the helm, Wolk
Cardiology
Highlights of the year in *JACC* 2004, 137
Note on the history of cardiology: Dr. Otto Klein, 1881 to 1968, 446
President's page: women in cardiology: leading our present, guiding our future, 1543
Year in cardiovascular surgery, 1517
Year in clinical electrophysiology, 790
Year in echocardiography, 448
Year in interventional cardiology, 1117
Cardiomyocytes
Ventricular assist device therapy normalizes inducible nitric oxide synthase expression and reduces cardiomyocyte apoptosis in the failing human heart, 1419
Cardiomyopathy
See also Dilated cardiomyopathy; Hypertrophic cardiomyopathy
Early recovery of impaired coronary flow reserve by carvedilol therapy in patients with idiopathic dilated cardiomyopathy: a serial transthoracic Doppler echocardiographic study (letter), 318
Impact of implantable cardioverter-defibrillator therapy on survival in autosomal-dominant arrhythmogenic right ventricular cardiomyopathy (ARVD5), 400
Implantable cardioverter-defibrillator therapy in arrhythmogenic right ventricular cardiomyopathy (editorial), 409
Noninvasive detection of myocardial fibrosis in arrhythmogenic right ventricular cardiomyopathy using delayed-enhancement magnetic resonance imaging, 98
Cardioprotection
Cyclooxygenase-1 mediates the final stage of morphine-induced delayed cardioprotection in concert with cyclooxygenase-2, 1707
Cardiopulmonary exercise testing
Cardiopulmonary exercise testing in patients with heart failure (letter), 163
Cardiovascular care
American College of Cardiology and American Heart Association methodology for the selection and creation of performance measures for quantifying the quality of cardiovascular care, 1147
Cardiovascular disease
Diets and cardiovascular disease, 1379
Use of anti-inflammatory analgesics in the patient with cardiovascular disease (editorial), 1302
Cardiovascular events
Evidence for an increased rate of cardiovascular events in patients with primary aldosteronism, 1243
Positron emission tomography-measured abnormal responses of myocardial blood flow to sympathetic stimulation are associated with the risk of developing cardiovascular events, 1505
Should we consider aldosterone as the primary screening target for preventing cardiovascular events? (editorial), 1249
World Trade Center attack and cardiac events: fact or fear? (letter), 1732
Cardiovascular medicine
Use of ultrasound contrast agents for gene or drug delivery in cardiovascular medicine, 329
Cardiovascular surgery
Year in cardiovascular surgery, 1517
Cardiovascular system
Alcohol and the cardiovascular system: research challenges and opportunities, 1916
Carotid artery
Relationship between carotid artery intima-media thickness and brachial artery flow-mediated dilation in middle-aged healthy men, 1980
Carotid atherosclerosis
Increased carotid atherosclerosis in andropausal middle-aged men, 1603
Carotid endarterectomy
Plant sterols in serum and in atherosclerotic plaques of patients undergoing carotid endarterectomy, 1795
Carotid sinus syndrome
Amnesia for loss of consciousness in carotid sinus syndrome—implications for presentation with falls, 1841
Carotid stenting
See also Stents and stenting
Cardiologist in the carotids (letter), 326
Clinical competence statement on carotid stenting: training and credentialing for carotid stenting—multispecialty consensus recommendations, 165
Embolic protection devices for carotid artery stenting: is there a difference between filter and distal occlusive devices?, 1775
Carvedilol
Antiarrhythmic effect of carvedilol after acute myocardial infarction, 525
Early recovery of impaired coronary flow reserve by carvedilol therapy in patients with idiopathic dilated cardiomyopathy: a serial transthoracic Doppler echocardiographic study (letter), 318
Influence of pretreatment systolic blood pressure on benefit from carvedilol in severe chronic heart failure patients (letter), 809
Three decades of clinical trials with beta-blockers (editorial), 531
Catecholaminergic polymorphic ventricular tachycardia
36th Bethesda Conference: Task force 7: arrhythmias, 1354
Catheter ablation
See also Ablation; Radiofrequency ablation
Focal atrial tachycardia from the ostium of the coronary sinus, 1488
Multislice computed tomography versus intracardiac echocardiography to evaluate the pulmonary veins before radiofrequency catheter ablation of atrial fibrillation, 343
Outflow tract tachycardia with R/S transition in lead V_3, 418
Radiofrequency ablation of "benign" right ventricular outflow tract extrasystole? (editorial), 1266
Radiofrequency catheter ablation of premature ventricular complexes from right ventricular outflow tract improves left ventricular dilation and clinical status in patients without structural heart disease, 1259
Catheter pump
An expandable percutaneous catheter pump for left ventricular support: proof of concept, 1857
CD34
Endothelial progenitor cell capture by stents coated with antibody against CD34, 1574
CD40 ligand
CD40 ligand enhances monocyte tissue factor expression and thrombin generation via oxidative stress in patients with hypercholesterolemia, 35
CD144
Elevated levels of VE-cadherin–positive endothelial microparticles in patients with type-2 diabetes mellitus and coronary artery disease, 1622
Central sleep apnea
Cardiac resynchronization therapy, central sleep apnea, and Cheyne-Stokes respiration in chronic heart failure patients (letter), 633
Cheyne-Stokes respiration
Cardiac resynchronization therapy, central sleep apnea, and Cheyne-Stokes respiration in chronic heart failure patients (letter), 633
Children
Better outcome after pediatric defibrillation dosage than adult dosage in a swine model of pediatric ventricular fibrillation, 786
Cryo-ablation for septal tachycardia substrates in pediatric patients, 581
Effectiveness of fludrocortisone and salt in preventing syncope recurrence in children, 484
Improved outcomes of pediatric dilated cardiomyopathy and heart transplantation (letter), 1733
Transcatheter cryoablation of tachyarrhythmias in children, 133
Transvenous cryothermal catheter ablation of re-entry circuit located near the atrioventricular junction in pediatric patients, 1096
Cholesterol
See also Hypercholesterolemia
Common *PCSK9* haplotype, encompassing the E670G coding single nucleotide polymorphism, is a novel genetic marker for plasma low-density-lipoprotein cholesterol levels and severity of coronary atherosclerosis, 1611
Different effects of high cholesterol diet on ischemic cardiac dysfunction and remodeling induced by coronary stenosis and by coronary occlusion, 2078
Plant sterols in serum and in atherosclerotic plaques of patients undergoing carotid endarterectomy, 1795

Relative efficacy of atorvastatin 80 mg and pravastatin 40 mg in achieving he dual goals of low-density lipoprotein cholesterol, 1644

Clinical trials
Major meetings and the phenomenon of late-breaking clinical trials, 1304

Clopidogrel
Economic effects of prolonged clopidogrel therapy after percutaneous coronary intervention, 369
Long-term cost-effectiveness of clopidogrel given for up to one year in patients with acute coronary syndromes without ST-segment elevation, 838
Resistance to clopidogrel: a review of the evidence, 1157
Variability in platelet responsiveness to clopidogrel among 544 individuals, 246

Coarctation of the aorta
Highlights of the year in *JACC* 2004, 137
Impact of re-coarctation following the Norwood operation on survival in the balloon angioplasty era, 1845
36th Bethesda Conference: Task force 2: congenital heart disease, 1326

Collateral blood flow
Role of collateral blood flow in the apparent disparity between the extent of abnormal wall thickening and perfusion defect size during acute myocardial infarction and demand ischemia, 565

Commotio cordis
36th Bethesda Conference: Task force 11: commotio cordis, 1371

Computed tomography
See also Multidetector computed tomography; Multislice computed tomography; Single-photon emission computed tomography
Assessment of myocardial viability in reperfused acute myocardial infarction using 16-slice computed tomography in comparison to magnetic resonance imaging, 2042
Coronary stenosis detection by 16-slice computed tomography in heart transplant patients: comparison with conventional angiography and impact on clinical management, 1827
Diagnostic accuracy of noninvasive coronary imaging using 16-detector slice spiral computed tomography with 188 ms temporal resolution, 123
Improved diagnostic accuracy with 16-row multi-slice computed tomography coronary angiography, 128
Multislice computed tomography versus intracardiac echocardiography to evaluate the pulmonary veins before radiofrequency catheter ablation of atrial fibrillation, 343
Noninvasive visualization of the cardiac venous system using multislice computed tomography, 749

Congenital heart disease
See also specific disorder
Prevalence and clinical manifestations of 22q11.2 microdeletion in adults with selected conotruncal anomalies, 595
36th Bethesda Conference: Task force 2: congenital heart disease, 1326
Year in congenital heart disease, 1888
Year in congenital heart disease (letter), 467

Congenitally corrected transposition of the great arteries
36th Bethesda Conference: Task force 2: congenital heart disease, 1326

Conotruncal anomalies
Prevalence and clinical manifestations of 22q11.2 microdeletion in adults with selected conotruncal anomalies, 595

Constrictive pericarditis
Efficacy of brain natriuretic peptide levels in differentiating constrictive pericarditis from restrictive cardiomyopathy, 1901

Continuous positive airway pressure
Inhibition of awake sympathetic nerve activity of heart failure patients with obstructive sleep apnea by nocturnal continuous positive airway pressure, 2008

Contrast agents
Evaluation of the accuracy of gadolinium-enhanced cardiovascular magnetic resonance in the diagnosis of cardiac sarcoidosis, 1683
Noninvasive diagnosis of coronary artery disease in patients with heart failure and systolic dysfunction of uncertain etiology, using late gadolinium-enhanced cardiovascular magnetic resonance, 743
Quantification of absolute myocardial perfusion in humans by contrast echocardiography, 754
Use of ultrasound contrast agents for gene or drug delivery in cardiovascular medicine, 329

Coronary angiography
Improved diagnostic accuracy with 16-row multi-slice computed tomography coronary angiography, 128

Coronary arteries
Diagnosis of thin fibrous cap atheromas by a self-contained intravascular magnetic resonance imaging probe in *ex-vivo* human aortas and *in-situ* coronary arteries, 1961
Evaluation of flow in the left anterior descending coronary artery but not in the left internal mammary artery graft predicts significant stenosis of the arterial conduit, 424
Long-term safety of intravascular ultrasound in nontransplant, nonintervened, atherosclerotic coronary arteries, 559
Multiple overlapping drug-eluting stents to treat diffuse disease of the left anterior descending coronary artery, 1570
Outcomes of paclitaxel-eluting stent implantation in patients with stenosis of the left anterior descending coronary artery, 1186
Sirolimus-eluting stent implantation for unprotected left main coronary artery stenosis, 351

Coronary artery bypass grafting
Big chill: the deleterious effects of public reporting on access to health care for the sickest patients, 1766
Cardiac medical therapy in patients after undergoing coronary artery bypass graft surgery, 177
N-3 fatty acids for the prevention of atrial fibrillation after coronary artery bypass surgery, 1723
Relationship of irreversible myocardial injury to troponin I and creatine kinase-MB elevation after coronary artery bypass surgery: insights from cardiovascular magnetic resonance imaging (letter), 629
Staged initial percutaneous coronary intervention followed by valve surgery ("hybrid approach") for patients with complex coronary and valve disease, 14
Year in cardiovascular surgery, 1517

Coronary artery calcium
Highlights of the year in *JACC* 2004, 137

Coronary artery disease
See also Atherosclerosis; Coronary heart disease
Another look at the age-old question (editorial), 244
Angiotensin-converting enzyme inhibitors and outcome among patients with heart failure and renal insufficiency: need for a prospective study(letter), 1905
Diagnostic accuracy of noninvasive coronary imaging using 16-detector slice spiral computed tomography with 188 ms temporal resolution, 123
Dietary linolenic acid and adjusted QT and JT intervals in the National Heart, Lung, and Blood Institute Family Heart Study, 1716
Elevated levels of VE-cadherin–positive endothelial microparticles in patients with type-2 diabetes mellitus and coronary artery disease, 1622
Epidemiology, pathophysiology, and management of psychosocial risk factors in cardiac practice, 637
Gender-based outcomes after paclitaxel-eluting stent implantation in patients with coronary artery disease, 1180
Health-related quality of life after interventional or conservative strategy in patients with unstable angina or non–ST-segment elevation myocardial infarction, 221
High-dose folic acid acutely improves coronary vasodilator function in patients with coronary artery disease, 1580
Highlights of the year in *JACC* 2004, 137
Identifying high-risk asymptomatic diabetic patients who are candidates for screening stress single-photon emission computed tomography imaging, 43
Intravascular ultrasound-guided treatment for angiographically indeterminate left main coronary artery disease, 204
Noninvasive diagnosis of coronary artery disease in patients with heart failure and systolic dysfunction of uncertain etiology, using late gadolinium-enhanced cardiovascular magnetic resonance, 743
Plasma triglycerides and type III hyperlipidemia are independently associated with premature familial coronary artery disease, 1003
Pregnancy-associated plasma protein-A levels in patients with acute coronary syndromes, 229
Prognostic implications of elevated troponin in patients with suspected acute coronary syndrome but no critical epicardial coronary disease, 19
Prognostic value of lung sestamibi uptake in myocardial perfusion imaging of patients with known or suspected coronary artery disease, 1676
Safety of dobutamine stress real-time myocardial contrast echocardiography, 1235
Seven-year follow-up after dobutamine stress echocardiography, 93
Should we screen for occult coronary artery disease among asymptomatic patients with diabetes?, 50
36th Bethesda Conference: Task force 6: coronary artery disease, 1348
Unrestricted use of paclitaxel- versus sirolimus-eluting stents for coronary artery disease in an unselected population, 1135
Year in interventional cardiology, 1117

Coronary calcium screening
Primary and a half prevention—can we identify asymptomatic subjects with high vascular risk? (editorial), 1994

Coronary flow
Hyperglycemia is an important predictor of impaired coronary flow before reperfusion therapy in ST-segment elevation myocardial infarction, 999
Coronary flow reserve
Early recovery of impaired coronary flow reserve by carvedilol therapy in patients with idiopathic dilated cardiomyopathy: a serial transthoracic Doppler echocardiographic study (letter), 318
Pressure-derived measurement of coronary flow reserve, 216
Coronary heart disease
See also Coronary artery disease
Gender-specific impact of diabetes and myocardial infarction at baseline and during follow-up on mortality from all causes and coronary heart disease, 1413
Recent hypertension trials, 813
Coronary pressure
Pressure-derived measurement of coronary flow reserve, 216
Coronary sinus
Focal atrial tachycardia from the ostium of the coronary sinus, 1488
Coronary vasodilation
Noninvasive assessment of coronary vasodilation using magnetic resonance angiography, 104
Coronary vasodilator
High-dose folic acid acutely improves coronary vasodilator function in patients with coronary artery disease, 1580
Coronary vasomotor dysfunction
Increased ambulatory pulse pressure is a strong risk factor for coronary endothelial vasomotor dysfunction, 1461
COX-2 inhibitors
Use of anti-inflammatory analgesics in the patient with cardiovascular disease (editorial), 1302
C-reactive protein
Angioscopic follow-up study of coronary ruptured plaques in nonculprit lesions, 652
Another look at the age-old question (editorial), 244
Association of *Helicobacter pylori* infection with systemic inflammation and endothelial dysfunction in healthy male subjects, 1219
C-reactive protein and electrocardiographic ST-segment depression additively predict mortality: The Strong Heart Study, 1788
Effects of physical activity on serum C-reactive protein and inflammatory markers, 1563
Increase of C-reactive protein is associated with enhanced activation of endogenous fibrinolysis at baseline but an impaired endothelial fibrinolytic response after venous occlusion, 30
Multiple plaque rupture and C-reactive protein in acute myocardial infarction, 1594
Creatine kinase-MB
Creatine kinase-MB elevation following stent implantation(letter), 1908
Relationship of irreversible myocardial injury to troponin I and creatine kinase-MB elevation after coronary artery bypass surgery: insights from cardiovascular magnetic resonance imaging (letter), 629
Cryoablation
Cryo-ablation for septal tachycardia substrates in pediatric patients, 581
Long-term efficacy of cryo catheter ablation for the treatment of atrial flutter, 573
Transcatheter cryoablation of tachyarrhythmias in children, 133
Transvenous cryothermal catheter ablation of re-entry circuit located near the atrioventricular junction in pediatric patients, 1096
C-type natriuretic peptide
C-type natriuretic peptide, a novel antifibrotic and antihypertrophic agent, prevents cardiac remodeling after myocardial infarction, 608
Current of injury
Current of injury predicts adequate active lead fixation in permanent pacemaker/defibrillation leads, 412
C1980otic congenital heart disease
36th Bethesda Conference: Task force 2: congenital heart disease, 1326
Cyclooxygenase-1
Cyclooxygenase-1 mediates the final stage of morphine-induced delayed cardioprotection in concert with cyclooxygenase-2, 1707
Cyclooxygenase-2
Cyclooxygenase-1 mediates the final stage of morphine-induced delayed cardioprotection in concert with cyclooxygenase-2, 1707
Cystatin-C
Cystatin-C and mortality in elderly persons with heart failure, 268
Deconditioning
Increased skeletal muscle amino acid release with light exercise in deconditioned patients with heart failure (letter), 158
Defibrillation
Better outcome after pediatric defibrillation dosage than adult dosage in a swine model of pediatric ventricular fibrillation, 786
Current of injury predicts adequate active lead fixation in permanent pacemaker/defibrillation leads, 412
Defibrillation thresholds testing of implantable cardioverter-defibrillators at implantation (letter), 468
Defibrillators
See also Automated external defibrillators; Implantable cardioverter-defibrillators
Patient alert and cardiac defibrillators, 966
Demand ischemia
Role of collateral blood flow in the apparent disparity between the extent of abnormal wall thickening and perfusion defect size during acute myocardial infarction and demand ischemia, 565
Dementia
Optimal lipids, statins, and dementia (letter), 963
Depression
Depression as a predictor for appropriate shocks among patients with implantable cardioverter-defibrillators, 1090
Diabetes mellitus
Circulating endothelial progenitor cells are reduced in peripheral vascular complications of type 2 diabetes mellitus, 1449
Drug-eluting stents for diabetes mellitus, 479
Elevated levels of VE-cadherin–positive endothelial microparticles in patients with type-2 diabetes mellitus and coronary artery disease, 1622
Gender-specific impact of diabetes and myocardial infarction at baseline and during follow-up on mortality from all causes and coronary heart disease, 1413
Identifying high-risk asymptomatic diabetic patients who are candidates for screening stress single-photon emission computed tomography imaging, 43
Impact of diabetes mellitus on myocardial perfusion after primary angioplasty in patients with acute myocardial infarction, 508
Impact of microvascular complications on outcome after coronary stent implantations in patients with diabetes, 464
Outcomes with the polymer-based paclitaxel-eluting TAXUS stent in patients with diabetes mellitus, 1172
Should we screen for occult coronary artery disease among asymptomatic patients with diabetes?, 50
Use of bivalirudin during percutaneous coronary intervention in patients with diabetes mellitus: an analysis from the REPLACE-2 trial, 1932
Diastolic dysfunction
Diastolic dysfunction and left atrial volume, 87
Diastolic dysfunction and Doppler echocardiography (letter), 2095
Diet(s)
Dietary linolenic acid and adjusted QT and JT intervals in the National Heart, Lung, and Blood Institute Family Heart Study, 1716
Diets and cardiovascular disease, 1379
Different effects of high cholesterol diet on ischemic cardiac dysfunction and remodeling induced by coronary stenosis and by coronary occlusion, 2078
Fish intake and risk of incident heart failure, 2015
Digoxin
Beta-blockers versus digoxin to control ventricular rate during atrial fibrillation, 1906
Dilated cardiomyopathy
Alterations in myocardial tissue factor expression and cellular localization in dilated cardiomyopathy, 1081
Clinical and genetic issues in familial dilated cardiomyopathy, 969
Early recovery of impaired coronary flow reserve by carvedilol therapy in patients with idiopathic dilated cardiomyopathy: a serial transthoracic Doppler echocardiographic study (letter), 318
Improved outcomes of pediatric dilated cardiomyopathy and heart transplantation (letter), 1733
Dipyridamole stress
Comparison of treadmill exercise versus dipyridamole stress with myocardial perfusion imaging using rubidium-82 positron emission tomography, 1227
Direct thrombin inhibitors
Ximelagatran: oral direct thrombin inhibitor as anticoagulant therapy in atrial fibrillation, 1
Disopyramide
Multicenter study of the efficacy and safety of disopyramide in obstructive hypertrophic cardiomyopathy, 1251
Dobutamine stress echocardiography
Safety of dobutamine stress real-time myocardial contrast echocardiography, 1235
Seven-year follow-up after dobutamine stress echocardiography, 93
Doppler echocardiography
See also Echocardiography
Diastolic dysfunction and Doppler echocardiography (letter), 2095
Early recovery of impaired coronary flow reserve by carvedilol therapy in patients with idiopathic dilated cardiomyopathy: a serial transthoracic Doppler echocardiographic study (letter), 318
Use of live three-dimensional Doppler echocardiography in the measurement of cardiac output, 433
Doppler guide wire
Detection of embolic particles with the Doppler guide wire during coronary intervention in patients with acute myocardial infarction, 212

Drug delivery
Efficacy of a patient-activated pharmacologic pump using phenylephrine as active drug and prodromal symptoms as a marker of imminent loss of consciousness to abort tilt-induced syncope (letter), 320
Use of ultrasound contrast agents for gene or drug delivery in cardiovascular medicine, 329
Drug-eluting stents
See also Paclitaxel-eluting stents; Sirolimus-eluting stents
Angiographic patterns of restenosis after paclitaxel-eluting stent implantation, 805
Direct stenting of native de novo coronary artery lesions with the sirolimus-eluting stent, 10
Drug-eluting stent thrombosis, 954
Drug-eluting stents for diabetes mellitus, 479
Gender-based outcomes after paclitaxel-eluting stent implantation in patients with coronary artery disease, 1180
Highlights of the 2004 Transcatheter Cardiovascular Therapeutics (TCT) Annual Meeting: clinical implications, 796
Highlights of the year in *JACC* 2004, 137
Late angiographic stent thrombosis (LAST) events with drug-eluting stents, 2088
Multiple overlapping drug-eluting stents to treat diffuse disease of the left anterior descending coronary artery, 1570
Outcomes of paclitaxel-eluting stent implantation in patients with stenosis of the left anterior descending coronary artery, 1186
Outcomes with the paclitaxel-eluting stent in patients with acute coronary syndromes, 1165
Outcomes with the polymer-based paclitaxel-eluting TAXUS stent in patients with diabetes mellitus, 1172
Prospective randomized comparison between paclitaxel and sirolimus stents in the real world of interventional cardiology, 308
Sirolimus-eluting stent implantation for unprotected left main coronary artery stenosis, 351
Surrogates, substudies, and real clinical end points in trial of drug-eluting stents (editorial), 1206
Thirty-day incidence and six-month clinical outcome of thrombotic stent occlusion after bare-metal, sirolimus, or paclitaxel stent implantation, 947
Treatment of saphenous vein graft lesions with drug-eluting stents, 989
Unrestricted use of paclitaxel- versus sirolimus-eluting stents for coronary artery disease in an unselected population, 1135
Drugs
36th Bethesda Conference: Task force 9: drugs and performance-enhancing substances, 1364
Duchenne muscular dystrophy
Effect of perindopril on the onset and progression of left ventricular dysfunction in Duchenne muscular dystrophy, 855
Ductus arteriosus
Highlights of the year in *JACC* 2004, 137
Early afterdepolarizations
Cellular and ionic mechanism for drug-induced long QT syndrome and effectiveness of verapamil, 300
Ebstein's anomaly
36th Bethesda Conference: Task force 2: congenital heart disease, 1326
Echocardiography
See also Doppler echocardiography
Apparently normal mitral valves in patients with heart failure demonstrate biochemical and structural derangements, 54
Are transthoracic echocardiographic parameters associated with atrial fibrillation recurrence or stroke? Results from the AFFIRM study, 2026
Diastolic dysfunction and left atrial volume, 87
Diastolic dysfunction and Doppler echocardiography (letter), 2095
Early recovery of impaired coronary flow reserve by carvedilol therapy in patients with idiopathic dilated cardiomyopathy: a serial transthoracic Doppler echocardiographic study (letter), 318
Echocardiographic findings and the search for a gold standard in patients with arrhythmogenic right ventricular dysplasia (editorial), 866
Echocardiographic findings in patients meeting task force criteria for arrhythmogenic right ventricular dysplasia, 860
Echocardiographic predictors of morbidity and mortality in patients with advanced heart failure, 1064
Electrocardiography and Doppler echocardiography for risk stratification in patients with chronic heart failure, 1072
Evaluation of flow in the left anterior descending coronary artery but not in the left internal mammary artery graft predicts significant stenosis of the arterial conduit, 424
Heart rate turbulence after atrial premature beats before spontaneous onset of atrial fibrillation, 278
Highlights of the year in *JACC* 2004, 137
Incremental predictive power of B-type natriuretic peptide and tissue Doppler echocardiography in the prognosis of patients with congestive heart failure, 1223
Independent and incremental prognostic value of early mitral annulus velocity in patients with impaired left ventricular systolic function, 272
Left ventricular assist device malfunction, 1435
Multislice computed tomography versus intracardiac echocardiography to evaluate the pulmonary veins before radiofrequency catheter ablation of atrial fibrillation, 343
Patients with atrial fibrillation and dense spontaneous echo contrast at high risk—a prospective and serial follow-up over 12 months with transesophageal echocardiography and cerebral magnetic resonance imaging, 1808
Pre-existent left atrial scarring in patients undergoing pulmonary vein antrum isolation, 285
Quantification of absolute myocardial perfusion in humans by contrast echocardiography, 754
Quantitation of mitral valve tenting in ischemic mitral regurgitation by transthoracic real-time three-dimensional echocardiography, 763
Safety of dobutamine stress real-time myocardial contrast echocardiography, 1235
Seven-year follow-up after dobutamine stress echocardiography, 93
Stress echocardiography: current methodology and clinical applications, 1739
Use of live three-dimensional Doppler echocardiography in the measurement of cardiac output, 433
Ventricular asynchrony predicts a better outcome in patients with chronic heart failure receiving cardiac resynchronization therapy, 65
Year in echocardiography, 448
Editorials
Act local, act global, 1600
Afterload reduction in chronic aortic regurgitation, 1031
Andropause and intima media thickness, 1609
Angiotensin II inhibition and prevention of atrial fibrillation and stroke, 720
Another look at the age-old question, 244
Benefit of an exercise program before myocardial infarction, 939
Cardiac resynchronization therapy 101, 70
Care disparities, 79
Did they lower stress in the trial?, 858
Echocardiographic findings and the search for a gold standard in patients with arrhythmogenic right ventricular dysplasia, 866
Endothelial progenitor obsolescence and atherosclerotic inflammation, 1458
Growth of diagnostic imaging services, 2093
Implantable cardioverter-defibrillator therapy in arrhythmogenic right ventricular cardiomyopathy, 409
Improvement of heart failure after renal transplantation, 1061
Improving the outcomes of heart failure care, 1665
Inducible nitric oxide synthase in severe human heart failure, 1425
Is mitral regurgitation a viable treatment target in heart failure?, 388
Mitral valve abnormalities in congestive heart failure, 62
Picking plaques that pop. . ., 1970
Plaque rupture and intracoronary thrombus in nonculprit vessels, 659
Pleiotropic effects of statins, 1292
Primary and a half prevention—can we identify asymptomatic subjects with high vascular risk?, 1994
Quantitative instruments for predicting risk. . .and benefit, 730
Radiofrequency ablation of "benign" right ventricular outflow tract extrasystole?, 1266
Relationship between inflammation and venous thromboembolism as studied by microparticle assessment in plasma, 1472
Residual pulmonary artery hypertension after mitral valve replacement, 1041
Should we consider aldosterone as the primary screening target for preventing cardiovascular events?, 1249
Surrogates, substudies, and real clinical end points in trial of drug-eluting stents, 1206
Three decades of clinical trials with beta-blockers, 531
Torrent or torment from the tubules? Challenge of the cardio-renal connections, 2004
Transcatheter closure of patent foramen ovale for migraine prophylaxis, 496
Treating sleep apnea in heart failure patients: promises but still no prizes, 2012
Use of anti-inflammatory analgesics in the patient with cardiovascular disease, 1302
Warning! Context-sensitive data, 542
What promise does PCSK9 hold?, 1620
Ehlers-Danlos syndrome
36th Bethesda Conference: Task force 4: HCM and other cardiomyopathies, mitral valve prolapse, myocarditis, and Marfan syndrome, 1340
Elderly
See also Age; Older adults
Cystatin-C and mortality in elderly persons with heart failure, 268
Heart failure training: care for older adults with chronic heart failure (letter), 2096

Reperfusion strategies for acute myocardial infarction in the elderly, 471

Electrocardiography
C-reactive protein and electrocardiographic ST-segment depression additively predict mortality: The Strong Heart Study, 1788
Cross-sectional relations of electrocardiographic QRS duration to left ventricular dimensions, 685
Electrocardiographic and electrophysiologic characteristics of ventricular tachycardia originating within the pulmonary artery, 887
Electrocardiography and Doppler echocardiography for risk stratification in patients with chronic heart failure, 1072
Focal atrial tachycardia from the ostium of the coronary sinus, 1488
Role of transtelephonic electrocardiographic monitoring in detecting short-term arrhythmia recurrences after radiofrequency ablation in patients with atrial fibrillation, 873
Separating non–isthmus- from isthmus-dependent atrial flutter using wavefront variability, 1269
Spectrum and prognostic significance of arrhythmias on ambulatory Holter electrocardiogram in hypertrophic cardiomyopathy, 697

Electromagnetic interference
Clinical study of interference with cardiac pacemakers by a magnetic field at power line frequencies, 896

Electrophysiology
Absence of acute effects of angiotensin II on atrial electrophysiology in humans (letter), 154
Electrocardiographic and electrophysiologic characteristics of ventricular tachycardia originating within the pulmonary artery, 887
Focal atrial tachycardia from the ostium of the coronary sinus, 1488
Highlights of the year in *JACC* 2004, 137
Year in clinical electrophysiology, 790

Embolic protective devices
Embolic protection devices for carotid artery stenting: is there a difference between filter and distal occlusive devices?, 1775

Embolism
See also Thrombosis
Detection of embolic particles with the Doppler guide wire during coronary intervention in patients with acute myocardial infarction, 212
Transcatheter treatment of atrial septal aneurysm associated with patent foramen ovale for prevention of recurrent paradoxical embolism in high-risk patients, 377

Endothelial cells
Elevated levels of VE-cadherin–positive endothelial microparticles in patients with type-2 diabetes mellitus and coronary artery disease, 1622

Endothelial dysfunction
Association of *Helicobacter pylori* infection with systemic inflammation and endothelial dysfunction in healthy male subjects, 1219
Impaired progenitor cell activity in age-related endothelial dysfunction, 1441

Endothelial function
Simvastatin improves endothelial function in patients with rheumatoid arthritis, 461

Endothelial nitric oxide synthase
Beneficial effect of hydroxyfasudil, a specific rho-kinase inhibitor, on ischemia/reperfusion injury in canine coronary microcirculation in vivo, 599

Endothelial progenitor cells
Circulating endothelial progenitor cells are reduced in peripheral vascular complications of type 2 diabetes mellitus, 1449
Endothelial progenitor cell capture by stents coated with antibody against CD34, 1574
Endothelial progenitor obsolescence and atherosclerotic inflammation (editorial), 1458
Impaired progenitor cell activity in age-related endothelial dysfunction, 1441

Endothelial vasomotor dysfunction
Increased ambulatory pulse pressure is a strong risk factor for coronary endothelial vasomotor dysfunction, 1461

Endothelial-derived microparticles
Elevated levels of VE-cadherin–positive endothelial microparticles in patients with type-2 diabetes mellitus and coronary artery disease, 1622

Endothelium
Increase of C-reactive protein is associated with enhanced activation of endogenous fibrinolysis at baseline but an impaired endothelial fibrinolytic response after venous occlusion, 30

End-stage renal disease
Effect of kidney transplantation on left ventricular systolic dysfunction and congestive heart failure in patients with end-stage renal disease, 1051

Epoprostenol
Increased [^{18}F]fluorodeoxyglucose accumulation in right ventricular free wall in patients with pulmonary hypertension and the effect of epoprostenol, 1850

Erythrocyte sedimentation rate
Inflammation, as measured by the erythrocyte sedimentation rate, is an independent predictor for development of heart failure, 1803

Erythropoietin
Further aspects of anemia, heart failure, and erythropoietin (letter), 1549
High serum erythropoietin level is associated with smaller infarct size in patients with acute myocardial infarction who undergo successful primary percutaneous coronary intervention, 1406

Ethnicity
Ethnic differences in the prognostic value of stress technetium-99m tetrofosmin gated single-photon emission computed tomography myocardial perfusion imaging, 1494

Evidence-based guidelines
Should the lack of feasibility of conducting controlled trials influence evidence-based guidelines (letter), 810

Exercise
Benefit of an exercise program before myocardial infarction (editorial), 939
Increased skeletal muscle amino acid release with light exercise in deconditioned patients with heart failure (letter), 158
Prior exercise training improves the outcome of acute myocardial infarction in the rat, 931

Exercise testing
Cardiopulmonary exercise testing in patients with heart failure (letter), 163
Comparison of treadmill exercise versus dipyridamole stress with myocardial perfusion imaging using rubidium-82 positron emission tomography, 1227

Extracellular matrix
Apparently normal mitral valves in patients with heart failure demonstrate biochemical and structural derangements, 54

Factor XIII valine 34 leu polymorphism
Pharmacogenetic effect of factor XIII Valine 34 leu polymorphism on fibrinolytic therapy for acute myocardial infarction, 25

Fast ventricular tachycardias
Fast ventricular tachycardias in patients with implantable cardioverter-defibrillators: efficacy and safety of antitachycardia pacing, 460

Fat pads
Preservation of the anterior fat pad and incidence of postoperative atrial fibrillation following coronary surgery (letter), 1308

Femoropopliteal stenting
Prevalence and clinical impact of stent fractures after femoropopliteal stenting, 312

Fenofibrate
Additive beneficial effects of fenofibrate combined with atorvastatin in the treatment of combined hyperlipidemia, 1649

Fibrates
Efficacy and safety of high-density lipoprotein cholesterol-increasing compounds, 185

Fibrin sealant
Transplantation in fibrin sealant (letter), 1734

Fibrinolysis
Increase of C-reactive protein is associated with enhanced activation of endogenous fibrinolysis at baseline but an impaired endothelial fibrinolytic response after venous occlusion, 30

Fibrinolytic therapy
Association of smoking with improved myocardial perfusion and the angiographic characterization of myocardial tissue perfusion after fibrinolytic therapy for ST-segment elevation myocardial infarction (letter), 321
Pharmacogenetic effect of factor XIII Valine 34 leu polymorphism on fibrinolytic therapy for acute myocardial infarction, 25

Fish intake
Fish intake and risk of incident heart failure, 2015

Flow-mediated dilatation
Is the association between flow-mediated dilatation and cardiovascular risk limited to low risk populations?, 1987
Relationship between carotid artery intima-media thickness and brachial artery flow-mediated dilation in middle-aged healthy men, 1980

Fludrocortisone
Effectiveness of fludrocortisone and salt in preventing syncope recurrence in children, 484

Fluorodeoxyglucose
Increased [^{18}F]fluorodeoxyglucose accumulation in right ventricular free wall in patients with pulmonary hypertension and the effect of epoprostenol, 1850

Folic acid
High-dose folic acid acutely improves coronary vasodilator function in patients with coronary artery disease, 1580

Fontan operation
36th Bethesda Conference: Task force 2: congenital heart disease, 1326

Free fatty acids
Increased skeletal muscle amino acid release with light exercise in deconditioned patients with heart failure (letter), 158

Furosemide
Changes in BNP levels and bioelectrical impedance measurements after treatment with high dose furosemide and hypertonic saline solution versus high dose of furosemide along, in refractory congestive heart failure, 1997

Gadolinium-enhanced magnetic resonance imaging
Evaluation of the accuracy of gadolinium-enhanced

cardiovascular magnetic resonance in the diagnosis of cardiac sarcoidosis, 1683
Late gadolinium-enhanced magnetic resonance imaging in acute and chronic myocardial infarction, 901
Noninvasive diagnosis of coronary artery disease in patients with heart failure and systolic dysfunction of uncertain etiology, using late gadolinium-enhanced cardiovascular magnetic resonance, 743

Gender
See also Women
Gender and myocardial salvage after reperfusion treatment in acute myocardial infarction, 828
Gender differences in endothelial tissue-type plasminogen activator release in middle-aged adults (letter), 1547
Gender disparities in the diagnosis and treatment of non–ST-segment elevation acute coronary syndromes, 832
Gender-based outcomes after paclitaxel-eluting stent implantation in patients with coronary artery disease, 1180
Gender-specific impact of diabetes and myocardial infarction at baseline and during follow-up on mortality from all causes and coronary heart disease, 1413
Hemodynamic and autonomic effects of smokeless tobacco in healthy young men, 910
Is aspirin resistance or female gender associated with a high incidence of myonecrosis after nonurgent percutaneous coronary intervention? (letter), 635
Seven-year follow-up after dobutamine stress echocardiography, 93

Gene delivery
Use of ultrasound contrast agents for gene or drug delivery in cardiovascular medicine, 329

Genetics
Clinical and genetic issues in familial dilated cardiomyopathy, 969

Glomerular filtration rate
Serum blood urea nitrogen as an independent marker of subsequent mortality among patients with acute coronary syndromes and normal to mildly reduced glomerular filtration rates, 1782

Glutathione peroxidase-1
Glutathione peroxidase-1 and homocysteine for cardiovascular risk prediction, 1631

Glycemic control
Improvement or cardiovascular risk markers by pioglitazone is independent from glycemic control—results from the Pioneer study, 1925

Glycoprotein IIb/IIIa inhibitors
Risk factors for the development of retroperitoneal hematoma after percutaneous coronary intervention in the era of glycoprotein IIb/IIIa inhibitors and vascular closure devices, 363

Headaches
Association of interatrial shunts and migraine headaches, 489
Migraine headache relief after transcatheter closure of patent foramen ovale, 493
Transcatheter closure of patent foramen ovale for migraine prophylaxis (editorial), 496

Health care
Big chill: the deleterious effects of public reporting on access to health care for the sickest patients, 1767
Immigration policy and healthcare, 1729
Quality of care reigns supreme: cardiologist at the helm, 1913

Health insurance
Health insurance and cardiac transplantation, 1388

Health-related quality of life
Health-related quality of life after interventional or conservative strategy in patients with unstable angina or non–ST-segment elevation myocardial infarction, 221

Heart failure
Apparently normal mitral valves in patients with heart failure demonstrate biochemical and structural derangements, 54
Angiotensin-converting enzyme inhibitors and outcome among patients with heart failure and renal insufficiency: need for a prospective study(letter), 1905
Cardiac resynchronization therapy, central sleep apnea, and Cheyne-Stokes respiration in chronic heart failure patients (letter), 633
Cardiac resynchronization therapy 101 (editorial), 70
Cardiopulmonary exercise testing in patients with heart failure (letter), 163
Changes in BNP levels and bioelectrical impedance measurements after treatment with high dose furosemide and hypertonic saline solution versus high dose of furosemide along, in refractory congestive heart failure, 1997
Community screening for left ventricular systolic dysfunction using plasma and urinary natriuretic peptides, 1043
Contribution of ischemic mitral regurgitation to congestive heart failure after myocardial infarction, 260
Cross-sectional relations of electrocardiographic QRS duration to left ventricular dimensions, 685
Cystatin-C and mortality in elderly persons with heart failure, 268
Different effects of high cholesterol diet on ischemic cardiac dysfunction and remodeling induced by coronary stenosis and by coronary occlusion, 2078
Echocardiographic predictors of morbidity and mortality in patients with advanced heart failure, 1064
Effect of kidney transplantation on left ventricular systolic dysfunction and congestive heart failure in patients with end-stage renal disease, 1051
Effects of candesartan on cardiac sympathetic nerve activity in patients with congestive heart failure and preserved left ventricular ejection fraction, 661
Electrocardiography and Doppler echocardiography for risk stratification in patients with chronic heart failure, 1072
Fish intake and risk of incident heart failure, 2015
Further aspects of anemia, heart failure, and erythropoietin (letter), 1549
Heart failure training: care for older adults with chronic heart failure (letter), 2096
Highlights of the 2004 scientific sessions of the Heart Failure Society of America, Toronto, Canada, September 12 to 15, 2004, 617
Highlights of the year in *JACC* 2004, 137
Improvement of heart failure after renal transplantation (editorial), 1061
Improving the outcomes of heart failure care (editorial), 1665
Increased skeletal muscle amino acid release with light exercise in deconditioned patients with heart failure (letter), 158
Incremental predictive power of B-type natriuretic peptide and tissue Doppler echocardiography in the prognosis of patients with congestive heart failure, 1223
Inducible nitric oxide synthase in severe human heart failure (editorial), 1425
Inflammation, as measured by the erythrocyte sedimentation rate, is an independent predictor for development of heart failure, 1803
Influence of pretreatment systolic blood pressure on benefit from carvedilol in severe chronic heart failure patients (letter), 809
Inhibition of awake sympathetic nerve activity of heart failure patients with obstructive sleep apnea by nocturnal continuous positive airway pressure, Usui
Is mitral regurgitation a viable treatment target in heart failure? (editorial), 388
Mitral valve abnormalities in congestive heart failure (editorial), 62
Mortality reduction by implantable cardioverter-defibrillators in high-risk patients with heart failure, ischemic heart disease, and new-onset ventricular arrhythmia, 1474
Noninvasive diagnosis of coronary artery disease in patients with heart failure and systolic dysfunction of uncertain etiology, using late gadolinium-enhanced cardiovascular magnetic resonance, 743
Noninvasive home telemonitoring for patients with heart failure at high risk of recurrent admission and death, 1654
Obesity and B-type natriuretic peptide levels in heart failure (letter), 967
Recent hypertension trials, 813
Targeted inhibition of βARK1-associated phosphoinositide 3-kinase activity preserves β-adrenergic receptor signaling and prolongs survival in heart failure induced by calsequestrin overexpression, 1863
Torrent or torment from the tubules? Challenge of the cardio-renal connections (editorial), 2004
Treating sleep apnea in heart failure patients: promises but still no prizes (editorial), 2012
Ventricular assist device therapy normalizes inducible nitric oxide synthase expression and reduces cardiomyocyte apoptosis in the failing human heart, 1419
Ventricular asynchrony predicts a better outcome in patients with chronic heart failure receiving cardiac resynchronization therapy, 65
What resting heart rate should one aim for when treating patients with heart failure with a beta-blocker?, 252
Year in cardiovascular surgery, 1517

Heart rate
Heart rate turbulence after atrial premature beats before spontaneous onset of atrial fibrillation, 278
What resting heart rate should one aim for when treating patients with heart failure with a beta-blocker?, 252

Heart transplantation
Coronary stenosis detection by 16-slice computed tomography in heart transplant patients: comparison with conventional angiography and impact on clinical management, 1827
Health insurance and cardiac transplantation, 1388
Highlights of the year in *JACC* 2004, 137
Improved outcomes of pediatric dilated cardiomyopathy and heart transplantation (letter), 1733
Intravascular ultrasound evidence of angiographically silent progression in coronary atherosclerosis predicts long-term morbidity and mortality after cardiac transplantation, 1538

Multicenter intravascular ultrasound validation study among heart transplant recipients, 1532
Helicobacter pylori
Association of *Helicobacter pylori* infection with systemic inflammation and endothelial dysfunction in healthy male subjects, 1219
Hematocrit
Is there an optimal hematocrit value for cardiac patients (letter), 1549
Hemodynamics
Does inhaled nitric oxide support the hemodynamics of spontaneous breathing patients with cardiogenic shock related to right ventricular myocardial infarction? (letter), 965
Hemodynamic and autonomic effects of smokeless tobacco in healthy young men, 910
Hemodynamic comparison of bioprostheses for complete supraannular position in patients with small aortic annulus, 2054
Quantitative relation between hemodynamic changes during intravenous adenosine infusion and the magnitude of coronary hyperemia, 553
Hibernating myocardium
Hibernating myocardium, apoptosis, and a simple mathematical task (letter), 466
Highlights of the year in *JACC* 2004, 137
High-density lipoprotein
Efficacy and safety of high-density lipoprotein cholesterol-increasing compounds, 185
High-intensity transient signals
Detection of embolic particles with the Doppler guide wire during coronary intervention in patients with acute myocardial infarction, 212
Holter electrocardiography
Spectrum and prognostic significance of arrhythmias on ambulatory Holter electrocardiogram in hypertrophic cardiomyopathy, 697
Home telemonitoring
Noninvasive home telemonitoring for patients with heart failure at high risk of recurrent admission and death, 1654
Homocysteine
Glutathione peroxidase-1 and homocysteine for cardiovascular risk prediction, 1631
Hydroxyfasudil
Beneficial effect of hydroxyfasudil, a specific rho-kinase inhibitor, on ischemia/reperfusion injury in canine coronary microcirculation in vivo, 599
Hypercholesterolemia
Atorvastatin decreases cellular proliferation and bone matrix expression in the hypercholesterolemic mitral valve (letter), 631
CD40 ligand enhances monocyte tissue factor expression and thrombin generation via oxidative stress in patients with hypercholesterolemia, 35
Common *PCSK9* haplotype, encompassing the E670G coding single nucleotide polymorphism, is a novel genetic marker for plasma low-density-lipoprotein cholesterol levels and severity of coronary atherosclerosis, 1611
What promise does PCSK9 hold? (editorial), 1620
Hyperemia
Quantitative relation between hemodynamic changes during intravenous adenosine infusion and the magnitude of coronary hyperemia, 553
Hyperglycemia
Hyperglycemia is an important predictor of impaired coronary flow before reperfusion therapy in ST-segment elevation myocardial infarction, 999
Hyperlipidemia
Additive beneficial effects of fenofibrate combined with atorvastatin in the treatment of combined hyperlipidemia, 1649
Plasma triglycerides and type III hyperlipidemia are independently associated with premature familial coronary artery disease, 1003
Relative efficacy of atorvastatin 80 mg and pravastatin 40 mg in achieving he dual goals of low-density lipoprotein cholesterol, 1644
Hypertension
Cardiovascular morbidity and mortality in hypertensive patients with a history of atrial fibrillation, 705
Impact of pulmonary hypertension on the outcomes of noncardiac surgery, 1691
Recent hypertension trials, 813
36th Bethesda Conference: Task force 5: systemic hypertension, 1346
Hypertrophic cardiomyopathy
Adenosine monophosphate-activated protein kinase disease mimicks hypertrophic cardiomyopathy and Wolff-Parkinson-White syndrome, 922
Multicenter study of the efficacy and safety of disopyramide in obstructive hypertrophic cardiomyopathy, 1251
Prognostic importance of left ventricular outflow obstruction in hypertrophic cardiomyopathy varies in relation to the severity of symptoms, 1076
Spectrum and prognostic significance of arrhythmias on ambulatory Holter electrocardiogram in hypertrophic cardiomyopathy, 697
36th Bethesda Conference: Task force 4: HCM and other cardiomyopathies, mitral valve prolapse, myocarditis, and Marfan syndrome, 1340
Hypothyroidism
Does subclinical hypothyroidism affect cardiac pump performance?, 439
Idiopathic dilated cardiomyopathy
Clinical and genetic issues in familial dilated cardiomyopathy, 969
Early recovery of impaired coronary flow reserve by carvedilol therapy in patients with idiopathic dilated cardiomyopathy: a serial transthoracic Doppler echocardiographic study (letter), 318
Imaging
See also Computed tomography; Echocardiography; Magnetic resonance imaging; Single-photon emission computed tomography
Growth of diagnostic imaging services, 2093
President's page: imaging: not a black and white issue, 627
Immigration
Immigration policy and healthcare, 1729
Implantable cardioverter-defibrillators
Care disparities (editorial), 79
Defibrillation thresholds testing of implantable cardioverter-defibrillators at implantation (letter), 468
Depression as a predictor for appropriate shocks among patients with implantable cardioverter-defibrillators, 1090
Fast ventricular tachycardias in patients with implantable cardioverter-defibrillators: efficacy and safety of antitachycardia pacing, 460
Growing mismatch between patient longevity and the service life of implantable cardioverter-defibrillators, Hauser
Impact of implantable cardioverter-defibrillator therapy on survival in autosomal-dominant arrhythmogenic right ventricular cardiomyopathy (ARVD5), 400
Implantable cardioverter-defibrillator therapy in arrhythmogenic right ventricular cardiomyopathy (editorial), 409
Mortality reduction by implantable cardioverter-defibrillators in high-risk patients with heart failure, ischemic heart disease, and new-onset ventricular arrhythmia, 1474
Patient alert and cardiac defibrillators (letter), 966
Severe symptomatic tricuspid valve regurgitation due to permanent pacemaker or implantable cardioverter defibrillator leads, 1672
Trends in implantable cardioverter-defibrillator racial disparity, 72
Inducible nitric oxide synthase
Inducible nitric oxide synthase in severe human heart failure (editorial), 1425
Ventricular assist device therapy normalizes inducible nitric oxide synthase expression and reduces cardiomyocyte apoptosis in the failing human heart, 1419
Infarct
High serum erythropoietin level is associated with smaller infarct size in patients with acute myocardial infarction who undergo successful primary percutaneous coronary intervention, 1406
Infarct morphology identifies patients with substrate for sustained ventricular tachycardia, 1104
Prodromal angina limits infarct size in the setting of acute anterior myocardial infarction treated with primary percutaneous intervention (letter), 1545
Infarction
See Myocardial infarction
Infective endocarditis
Year in valvular heart disease, 111
Inflammation
Act local, act global (editorial), 1600
Association of *Helicobacter pylori* infection with systemic inflammation and endothelial dysfunction in healthy male subjects, 1219
Cardiovascular magnetic resonance for the diagnosis of acute myocarditis: prospects for detecting myocardial inflammation, 1824
Diffuse and active inflammation occurs in both vulnerable and stable plaques of the entire coronary tree, 1585
Effects of physical activity on serum C-reactive protein and inflammatory markers, 1563
Endothelial progenitor obsolescence and atherosclerotic inflammation (editorial), 1458
Inflammation, as measured by the erythrocyte sedimentation rate, is an independent predictor for development of heart failure, 1803
Persistent systemic inflammation in unstable angina is largely unrelated to the atherothrombotic burden, 238
Relationship between inflammation and venous thromboembolism as studied by microparticle assessment in plasma (editorial), 1472
Inflammatory markers
Primary and a half prevention—can we identify asymptomatic subjects with high vascular risk? (editorial), 1994
In-stent restenosis
Simple, inexpensive, rapid, and accurate preclinical model for in-stent restenosis (letter), 1310
Intensive care unit
Relationship between B-type natriuretic peptides and pulmonary capillary wedge pressure in the intensive care unit, 1667

Interatrial shunts
Association of interatrial shunts and migraine headaches, 489
Interventional cardiology
Association of a negative residual stenosis following rescue/adjunctive percutaneous coronary intervention with impaired myocardial perfusion and adverse outcomes among ST-segment elevation myocardial infarction patients, 357
Detection of embolic particles with the Doppler guide wire during coronary intervention in patients with acute myocardial infarction, 212
Direct stenting of native de novo coronary artery lesions with the sirolimus-eluting stent, 10
Economic effects of prolonged clopidogrel therapy after percutaneous coronary intervention, 369
Impact of diabetes mellitus on myocardial perfusion after primary angioplasty in patients with acute myocardial infarction, 508
Intravascular ultrasound-guided treatment for angiographically indeterminate left main coronary artery disease, 204
Multiple overlapping drug-eluting stents to treat diffuse disease of the left anterior descending coronary artery, 1570
Predictive factors for ischemic target vessel revascularization in the Prevention of Restenosis with Tranilast and its Outcomes (PRESTO) trial, 198
Pressure-derived measurement of coronary flow reserve, 216
Prospective randomized comparison between paclitaxel and sirolimus stents in the real world of interventional cardiology, 308
Relation of dosing to clopidogrel responsiveness and the incidence of high post-treatment platelet aggregation in patients undergoing coronary stenting, 1392
Risk factors for the development of retroperitoneal hematoma after percutaneous coronary intervention in the era of glycoprotein IIb/IIIa inhibitors and vascular closure devices, 363
Sirolimus-eluting stent implantation for unprotected left main coronary artery stenosis, 351
Treatment of saphenous vein graft lesions with drug-eluting stents, 989
Year in interventional cardiology, 1117
Intima-media thickness
Andropause and intima media thickness (editorial), 1609
Increased carotid atherosclerosis in andropausal middle-aged men, 1603
Relationship between carotid artery intima-media thickness and brachial artery flow-mediated dilation in middle-aged healthy men, 1980
Intracoronary thrombus
Plaque rupture and intracoronary thrombus in nonculprit vessels (editorial), 659
Intracoronary ultrasound
Intracoronary ultrasound assessment late after the arterial switch operation for transposition of the great arteries, 2061
Intravascular ultrasound
Detection of lipid-laden atherosclerotic plaque by wavelet analysis of radio-frequency intravascular ultrasound signals: in vitro validation and preliminary in vivo application, 1954
Incidence and clinical correlates of ruptured plaques in saphenous vein grafts: an intravascular ultrasound study, 1974
Intravascular ultrasound evidence of angiographically silent progression in coronary atherosclerosis predicts long-term morbidity and mortality after cardiac transplantation, 1538
Intravascular ultrasound-guided treatment for angiographically indeterminate left main coronary artery disease, 204
Long-term safety of intravascular ultrasound in nontransplant, nonintervened, atherosclerotic coronary arteries, 559
Multicenter intravascular ultrasound validation study among heart transplant recipients, 1532
Polymer-based paclitaxel-eluting stents reduce in-stent neointimal tissue proliferation, 1201
Stent underexpansion and residual reference segment stenosis are related to stent thrombosis after sirolimus-eluting stent implantation, 995
Volumetric quantitative analysis of tissue characteristics of coronary plaques after statin therapy using three dimensional integrated backscatter intravascular ultrasound (3D IB-IVUS), 1946
Ischemia
Antagonism of selectin function attenuates microvascular platelet deposition and platelet-mediated myocardial injury after transient ischemia, 293
Beneficial effect of hydroxyfasudil, a specific rho-kinase inhibitor, on ischemia/reperfusion injury in canine coronary microcirculation in vivo, 599
Role of collateral blood flow in the apparent disparity between the extent of abnormal wall thickening and perfusion defect size during acute myocardial infarction and demand ischemia, 565
Ischemia/reperfusion injury
Failure to protect the myocardium against ischemia/reperfusion injury after chronic atorvastatin treatment is recaptured by acute atorvastatin treatment, 1287
Ischemic heart disease
Mortality reduction by implantable cardioverter-defibrillators in high-risk patients with heart failure, ischemic heart disease, and new-onset ventricular arrhythmia, 1474
Ischemic mitral regurgitation
Contribution of ischemic mitral regurgitation to congestive heart failure after myocardial infarction, 260
Quantitation of mitral valve tenting in ischemic mitral regurgitation by transthoracic real-time three-dimensional echocardiography, 763
Isthmus-dependent atrial flutter
Separating non–isthmus- from isthmus-dependent atrial flutter using wavefront variability, 1269
JACC
Highlights of the year in *JACC* 2004, 137
JT interval
Dietary linolenic acid and adjusted QT and JT intervals in the National Heart, Lung, and Blood Institute Family Heart Study, 1716
Kawasaki disease
36th Bethesda Conference: Task force 2: congenital heart disease, 1326
Kidney(s)
Torrent or torment from the tubules? Challenge of the cardio-renal connections (editorial), 2004
Kidney transplantation
Effect of kidney transplantation on left ventricular systolic dysfunction and congestive heart failure in patients with end-stage renal disease, 1051
Improvement of heart failure after renal transplantation (editorial), 1061
Left anterior descending coronary artery
Evaluation of flow in the left anterior descending coronary artery but not in the left internal mammary artery graft predicts significant stenosis of the arterial conduit, 424
Multiple overlapping drug-eluting stents to treat diffuse disease of the left anterior descending coronary artery, 1570
Outcomes of paclitaxel-eluting stent implantation in patients with stenosis of the left anterior descending coronary artery, 1186
Left atrial appendage
Effects of percutaneous left atrial appendage transcatheter occlusion (PLAATO) on left atrial structure and function (letter), 634
Left atrial scarring
Pre-existent left atrial scarring in patients undergoing pulmonary vein antrum isolation, 285
Left atrial volume
Diastolic dysfunction and left atrial volume, 87
Left atrium
Effects of percutaneous left atrial appendage transcatheter occlusion (PLAATO) on left atrial structure and function (letter), 634
Left bundle branch block
36th Bethesda Conference: Task force 7: arrhythmias, 1354
Left internal mammary artery graft
Evaluation of flow in the left anterior descending coronary artery but not in the left internal mammary artery graft predicts significant stenosis of the arterial conduit, 424
Year in cardiovascular surgery, 1517
Left main coronary artery
Intravascular ultrasound-guided treatment for angiographically indeterminate left main coronary artery disease, 204
Sirolimus-eluting stent implantation for unprotected left main coronary artery stenosis, 351
Left ventricle
Cross-sectional relations of electrocardiographic QRS duration to left ventricular dimensions, 685
Improvements in cardiac form and function after transcatheter closure of secundum atrial septal defects, 499
Left ventricular assist device support normalizes left and right ventricular beta-adrenergic pathway properties, 668
Left ventricular assist device
See also Ventricular assist devices
Effects of left ventricular assist device therapy on ventricular arrhythmias, 1428
Left ventricular assist device malfunction, 1435
Left ventricular assist device support normalizes left and right ventricular beta-adrenergic pathway properties, 668
Safety and feasibility trial of the MicroMed DeBakey ventricular assist device as a bridge to transplantation, 962
Left ventricular asynchrony
Detection of left ventricular asynchrony in patients with right bundle branch block after repair of tetralogy of Fallot using tissue-Doppler imaging-derived strain, 915
Left ventricular dilation
Radiofrequency catheter ablation of premature ventricular complexes from right ventricular outflow tract improves left ventricular dilation and clinical status in patients without structural heart disease, 1259

Left ventricular dysfunction
Angiotensin-converting enzyme inhibitor as a risk factor for the development of anemia, and the impact of incident anemia on mortality in patients with left ventricular dysfunction, 391
Effect of perindopril on the onset and progression of left ventricular dysfunction in Duchenne muscular dystrophy, 855
Is mitral regurgitation a viable treatment target in heart failure? (editorial), 388
Long-term survival and functional results after aortic valve replacement in asymptomatic patients with chronic severe aortic regurgitation and left ventricular dysfunction, 1025
Left ventricular ejection fraction
Effects of candesartan on cardiac sympathetic nerve activity in patients with congestive heart failure and preserved left ventricular ejection fraction, 661
Left ventricular outflow obstruction
Prognostic importance of left ventricular outflow obstruction in hypertrophic cardiomyopathy varies in relation to the severity of symptoms, 1076
Left ventricular remodeling
Detection of pathologic or physiologic left ventricular remodeling in athletes (letter), 1731
Left ventricular support
An expandable percutaneous catheter pump for left ventricular support: proof of concept, 1857
Left ventricular systolic dysfunction
Community screening for left ventricular systolic dysfunction using plasma and urinary natriuretic peptides, 1043
Effect of kidney transplantation on left ventricular systolic dysfunction and congestive heart failure in patients with end-stage renal disease, 1051
Impact of mitral valve annuloplasty on mortality risk in patients with mitral regurgitation and left ventricular systolic dysfunction, 381
Left ventricular systolic function
Independent and incremental prognostic value of early mitral annulus velocity in patients with impaired left ventricular systolic function, 272
Letters to the editor
Absence of acute effects of angiotensin II on atrial electrophysiology in humans, 154
Advantage of percutaneous coronary intervention over medical therapy in angina relief and the placebo effect, 327
Association between renal insufficiency, pharmacotherapy, and outcomes in, 6427 patients with heart failure and coronary artery disease, 1905
Atherosclerosis of the aorta: risk factor, risk marker, or innocent bystander? (letter), 1907
Cardiac complications of vaccines, 1309
Cardiac magnetic resonance imaging training, 1307
Cardiac magnetic resonance training: how we can get there from here, 1306
Cardiac rehabilitation after myocardial infarction in the community, 1909
Cardiac resynchronization therapy, central sleep apnea, and Cheyne-Stokes respiration in chronic heart failure patients, 633
Cardiologist in the carotids, 326
Cardiopulmonary exercise testing in patients with heart failure, 163
Cautious interpretation of data regarding myopericarditis associated with smallpox vaccination, 160
Conflation of empiric and nonempiric truths in cardiovascular guidelines, 1551
Coronary stenting versus balloon angioplasty in small vessels, 323
Defibrillation thresholds testing of implantable cardioverter-defibrillators at implantation, 468
Definition of failed lysis may have influenced outcome in the MERLIN trial, 808
Detection of pathologic or physiologic left ventricular remodeling in athletes, 1731
Differential mortality risk of post-procedural creatine kinase-MB elevation following successful versus unsuccessful stent procedures, 1908
Does inhaled nitric oxide support the hemodynamics of spontaneous breathing patients with cardiogenic shock related to right ventricular myocardial infarction?, 965
Effects of percutaneous left atrial appendage transcatheter occlusion (PLAATO) on left atrial structure and function, 634
Further aspects of anemia, heart failure, and erythropoietin, 1549
Gender differences in endothelial tissue-type plasminogen activator release in middle-aged adults, 1547
Heart failure training: care for older adults with chronic heart failure, 2096
Hibernating myocardium, apoptosis, and a simple mathematical task, 466
Improved outcomes of pediatric dilated cardiomyopathy and heart transplantation, 1733
Increased skeletal muscle amino acid release with light exercise in deconditioned patients with heart failure, 158
Influence of pretreatment systolic blood pressure on benefit from carvedilol in severe chronic heart failure patients, 809
Is aspirin resistance or female gender associated with a high incidence of myonecrosis after nonurgent percutaneous coronary intervention?, 635
Is there an optimal hematocrit value for cardiac patients, 1549
Omega-3 fatty acids for secondary prevention, 1552
Optimal lipids, statins, and dementia, 963
Optimal low-density lipoprotein is 50 to 70 mg/dl, 1732
Pacemaker complication during magnetic resonance imaging, 161
Patient alert and cardiac defibrillators, 966
Preservation of the anterior fat pad and incidence of postoperative atrial fibrillation following coronary surgery, 1308
Prodromal angina limits infarct size in the setting of acute anterior myocardial infarction treated with primary percutaneous intervention, 1545
Prognostic importance of body mass index after complicated myocardial infarction, 156
Proper conduct of Valsalva maneuver for the detection of patent foramen ovale, 1145
Reduced atrial fibrillation incidence by angiotensin-converting enzyme inhibitors: a possible contributing mechanism, 1144
Rescue angioplasty—The MERLIN trial, 806
Reversible atrioventricular block and the Amplatzer device, 1306
Should the lack of feasibility of conducting controlled trials influence evidence-based guidelines, 810
Simple, inexpensive, rapid, and accurate preclinical model for in-stent restenosis, 1310
Thrombolysis should be regarded as first-line therapy for prosthetic valve thrombosis in the absence of contraindications, 325
Transplantation in fibrin sealant, 1734
Vascular complications and arteriotomy closure devices during percutaneous coronary procedures, 2095
World Trade Center attack and cardiac events: fact or fear?, 1732
Leukocytes
Elevation of endothelial microparticles, platelets, and leukocyte activation in patients with venous thromboembolism, 1467
Platelet P-selectin plays an important role in arterial thrombogenesis by forming large stable platelet-leukocyte aggregates, 1280
Linoleic acid
Dietary linolenic acid and adjusted QT and JT intervals in the National Heart, Lung, and Blood Institute Family Heart Study, 1716
Lipid-lowering therapy
Effect of lipid-lowering therapy with atorvastatin on atherosclerotic aortic plaques detected by noninvasive magnetic resonance imaging, 733
Lipids
Detection of lipid-laden atherosclerotic plaque by wavelet analysis of radio-frequency intravascular ultrasound signals: in vitro validation and preliminary in vivo application, 1954
Optimal lipids, statins, and dementia (letter), 963
Lipoproteins
Apolipoprotein CI content of triglyceride-rich lipoproteins independently predicts early atherosclerosis in healthy middle-aged men, 1013
L-NMMA
Beneficial effect of hydroxyfasudil, a specific rho-kinase inhibitor, on ischemia/reperfusion injury in canine coronary microcirculation in vivo, 599
Long QT syndrome
Cellular and ionic mechanism for drug-induced long QT syndrome and effectiveness of verapamil, 300
Loss of consciousness
Amnesia for loss of consciousness in carotid sinus syndrome—implications for presentation with falls, 1841
Low-density lipoprotein cholesterol
Common *PCSK9* haplotype, encompassing the E670G coding single nucleotide polymorphism, is a novel genetic marker for plasma low-density-lipoprotein cholesterol levels and severity of coronary atherosclerosis, 1611
Optimal low-density lipoprotein is 50 to 70 mg/dl (letter), 1732
Plant sterols in serum and in atherosclerotic plaques of patients undergoing carotid endarterectomy, 1795
Relative efficacy of atorvastatin 80 mg and pravastatin 40 mg in achieving he dual goals of low-density lipoprotein cholesterol, 1644
What promise does PCSK9 hold? (editorial), 1620
Lung-to-heart ratio
Prognostic value of lung sestamibi uptake in myocardial perfusion imaging of patients with known or suspected coronary artery disease, 1676
Lymphocytes
Enhanced T-helper-1 lymphocyte activation patterns in acute coronary syndromes, 1939

Magnetic resonance angiography
Noninvasive assessment of coronary vasodilation using magnetic resonance angiography, 104
Magnetic resonance imaging
Assessment of myocardial viability in reperfused acute myocardial infarction using 16-slice computed tomography in comparison to magnetic resonance imaging, 2042
Cardiac magnetic resonance imaging training (letter), 1307
Cardiac magnetic resonance training: how we can get there from here (letter), 1306
Cardiovascular magnetic resonance for the diagnosis of acute myocarditis: prospects for detecting myocardial inflammation, 1824
Diagnosis of thin fibrous cap atheromas by a self-contained intravascular magnetic resonance imaging probe in *ex-vivo* human aortas and *in-situ* coronary arteries, 1961
Diagnostic performance of cardiovascular magnetic resonance in patients with suspected acute myocarditis: comparison of different approaches, 1816
Does subclinical hypothyroidism affect cardiac pump performance?, 439
Effect of lipid-lowering therapy with atorvastatin on atherosclerotic aortic plaques detected by noninvasive magnetic resonance imaging, 733
Feasibility of tissue magnetic resonance imaging, 1109
Infarct morphology identifies patients with substrate for sustained ventricular tachycardia, 1104
Late gadolinium-enhanced magnetic resonance imaging in acute and chronic myocardial infarction, 901
Noninvasive detection of myocardial fibrosis in arrhythmogenic right ventricular cardiomyopathy using delayed-enhancement magnetic resonance imaging, 98
Noninvasive diagnosis of coronary artery disease in patients with heart failure and systolic dysfunction of uncertain etiology, using late gadolinium-enhanced cardiovascular magnetic resonance, 743
Pacemaker complication during magnetic resonance imaging (letter), 161
Patients with atrial fibrillation and dense spontaneous echo contrast at high risk—a prospective and serial follow-up over 12 months with transesophageal echocardiography and cerebral magnetic resonance imaging, 1808
Planimetry of mitral valve stenosis by magnetic resonance imaging, 2048
Quantitative measurement of infarct size by contrast-enhanced magnetic resonance imaging early after acute myocardial infarction, 544
Real-time magnetic resonance-guided endovascular repair of experimental abdominal aortic aneurysm in swine, 2069
Relationship of irreversible myocardial injury to troponin I and creatine kinase-MB elevation after coronary artery bypass surgery: insights from cardiovascular magnetic resonance imaging (letter), 629
Marfan syndrome
36th Bethesda Conference: Task force 4: HCM and other cardiomyopathies, mitral valve prolapse, myocarditis, and Marfan syndrome, 1340
MERLIN trial
Definition of failed lysis may have influenced outcome in the MERLIN trial (letter), 808
Rescue angioplasty—The MERLIN trial (letter), 806
Metoprolol
What resting heart rate should one aim for when treating patients with heart failure with a beta-blocker?, 252
MicroMed DeBakey ventricular assist device
Safety and feasibility trial of the MicroMed DeBakey ventricular assist device as a bridge to transplantation, 962
Migraine headaches
Association of interatrial shunts and migraine headaches, 489
Migraine headache relief after transcatheter closure of patent foramen ovale, 493
Transcatheter closure of patent foramen ovale for migraine prophylaxis (editorial), 496
Mitral annular calcification
Atorvastatin decreases cellular proliferation and bone matrix expression in the hypercholesterolemic mitral valve (letter), 631
Mitral annuloplasty
Impact of mitral valve annuloplasty on mortality risk in patients with mitral regurgitation and left ventricular systolic dysfunction, 381
Mitral annulus
Idiopathic ventricular arrhythmia arising from the mitral annulus, 877
Mitral annulus velocity
Independent and incremental prognostic value of early mitral annulus velocity in patients with impaired left ventricular systolic function, 272
Mitral regurgitation
Broad-beam spectral Doppler sonification of the vena contracta using matrix-array technology, 770
Clinical development of percutaneous heart valve technology, 1554
Contribution of ischemic mitral regurgitation to congestive heart failure after myocardial infarction, 260
Impact of mitral valve annuloplasty on mortality risk in patients with mitral regurgitation and left ventricular systolic dysfunction, 381
Is mitral regurgitation a viable treatment target in heart failure? (editorial), 388
Mitral valve abnormalities in congestive heart failure (editorial), 62
Quantitation of mitral valve tenting in ischemic mitral regurgitation by transthoracic real-time three-dimensional echocardiography, 763
36th Bethesda Conference: Task force 3: valvular heart disease, 1334
Year in valvular heart disease, 111
Mitral stenosis
Planimetry of mitral valve stenosis by magnetic resonance imaging, 2048
36th Bethesda Conference: Task force 3: valvular heart disease, 1334
Year in valvular heart disease, 111
Mitral valve
Apparently normal mitral valves in patients with heart failure demonstrate biochemical and structural derangements, 54
Atorvastatin decreases cellular proliferation and bone matrix expression in the hypercholesterolemic mitral valve (letter), 631
Mitral valve abnormalities in congestive heart failure (editorial), 62
Mitral valve prolapse
36th Bethesda Conference: Task force 4: HCM and other cardiomyopathies, mitral valve prolapse, myocarditis, and Marfan syndrome, 1340
Mitral valve prostheses
Transcatheter radiofrequency ablation of atrial fibrillation in patients with mitral valve prostheses and enlarged atria, 868
Mitral valve replacement
Impact of valve prosthesis-patient mismatch on pulmonary arterial pressure after mitral valve replacement, 1034
Residual pulmonary artery hypertension after mitral valve replacement (editorial), 1041
Monocyte tissue factor
CD40 ligand enhances monocyte tissue factor expression and thrombin generation via oxidative stress in patients with hypercholesterolemia, 35
Morbidity
Cardiovascular morbidity and mortality in hypertensive patients with a history of atrial fibrillation, 705
Echocardiographic predictors of morbidity and mortality in patients with advanced heart failure, 1064
Intravascular ultrasound evidence of angiographically silent progression in coronary atherosclerosis predicts long-term morbidity and mortality after cardiac transplantation, 1538
Morphine
Cyclooxygenase-1 mediates the final stage of morphine-induced delayed cardioprotection in concert with cyclooxygenase-2, 1707
Mortality
Angiotensin-converting enzyme inhibitor as a risk factor for the development of anemia, and the impact of incident anemia on mortality in patients with left ventricular dysfunction, 391
Cardiovascular morbidity and mortality in hypertensive patients with a history of atrial fibrillation, 705
C-reactive protein and electrocardiographic ST segment depression additively predict mortality: The Strong Heart Study, 1788
Cystatin-C and mortality in elderly persons with heart failure, 268
Creatine kinase-MB elevation following stent implantation(letter), 1908
Echocardiographic predictors of morbidity and mortality in patients with advanced heart failure, 1064
Gender-specific impact of diabetes and myocardial infarction at baseline and during follow-up on mortality from all causes and coronary heart disease, 1413
Impact of mitral valve annuloplasty on mortality risk in patients with mitral regurgitation and left ventricular systolic dysfunction, 381
Improving the outcomes of heart failure care (editorial), 1665
Independent and incremental prognostic value of early mitral annulus velocity in patients with impaired left ventricular systolic function, 272
Intravascular ultrasound evidence of angiographically silent progression in coronary atherosclerosis predicts long-term morbidity and mortality after cardiac transplantation, 1538
Mortality reduction by implantable cardioverter-defibrillators in high-risk patients with heart failure, ischemic heart disease, and new-onset ventricular arrhythmia, 1474
Noninvasive home telemonitoring for patients with heart failure at high risk of recurrent admission and death, 1654

Prediction of mortality after primary percutaneous coronary intervention for acute myocardial infarction, 1397
Prognostic score for prediction of cardiac mortality risk after adenosine stress myocardial perfusion scintigraphy, 722
Serum blood urea nitrogen as an independent marker of subsequent mortality among patients with acute coronary syndromes and normal to mildly reduced glomerular filtration rates, 1782

Multidetector spiral computed tomography
See also Computed tomography
Diagnostic accuracy of noninvasive coronary imaging using 16-detector slice spiral computed tomography with 188 ms temporal resolution, 123

Multislice computed tomography
See also Computed tomography
Highlights of the year in *JACC* 2004, 137
Multislice computed tomography versus intracardiac echocardiography to evaluate the pulmonary veins before radiofrequency catheter ablation of atrial fibrillation, 343
Noninvasive visualization of the cardiac venous system using multislice computed tomography, 749

Myocardial blood flow
Positron emission tomography-measured abnormal responses of myocardial blood flow to sympathetic stimulation are associated with the risk of developing cardiovascular events, 1505

Myocardial fibrosis
Noninvasive detection of myocardial fibrosis in arrhythmogenic right ventricular cardiomyopathy using delayed-enhancement magnetic resonance imaging, 98

Myocardial infarction
See also ST-segment elevation myocardial infarction
Antiarrhythmic effect of carvedilol after acute myocardial infarction, 525
Assessment of myocardial viability in reperfused acute myocardial infarction using 16-slice computed tomography in comparison to magnetic resonance imaging, 2042
Benefit of an exercise program before myocardial infarction (editorial), 939
Cardiac rehabilitation after myocardial infarction in the community (letter), 1909
Contribution of ischemic mitral regurgitation to congestive heart failure after myocardial infarction, 260
C-type natriuretic peptide, a novel antifibrotic and antihypertrophic agent, prevents cardiac remodeling after myocardial infarction, 608
Detection of embolic particles with the Doppler guide wire during coronary intervention in patients with acute myocardial infarction, 212
Diffuse and active inflammation occurs in both vulnerable and stable plaques of the entire coronary tree, 1585
Does inhaled nitric oxide support the hemodynamics of spontaneous breathing patients with cardiogenic shock related to right ventricular myocardial infarction? (letter), 965
Gender and myocardial salvage after reperfusion treatment in acute myocardial infarction, 828
Gender-specific impact of diabetes and myocardial infarction at baseline and during follow-up on mortality from all causes and coronary heart disease, 1413
Health-related quality of life after interventional or conservative strategy in patients with unstable angina or non–ST-segment elevation myocardial infarction, 221
High serum erythropoietin level is associated with smaller infarct size in patients with acute myocardial infarction who undergo successful primary percutaneous coronary intervention, 1406
Impact of diabetes mellitus on myocardial perfusion after primary angioplasty in patients with acute myocardial infarction, 508
Late gadolinium-enhanced magnetic resonance imaging in acute and chronic myocardial infarction, 901
Multiple plaque rupture and C-reactive protein in acute myocardial infarction, 1594
Pharmacogenetic effect of factor XIII Valine 34 leu polymorphism on fibrinolytic therapy for acute myocardial infarction, 25
Prediction of mortality after primary percutaneous coronary intervention for acute myocardial infarction, 1397
Prior exercise training improves the outcome of acute myocardial infarction in the rat, 931
Prodromal angina limits infarct size in the setting of acute anterior myocardial infarction treated with primary percutaneous intervention (letter), 1545
Prognostic implications of elevated troponin in patients with suspected acute coronary syndrome but no critical epicardial coronary disease, 19
Prognostic importance of body mass index after complicated myocardial infarction (letter), 156
Quantitative measurement of infarct size by contrast-enhanced magnetic resonance imaging early after acute myocardial infarction, 544
Randomized, double-blinded, placebo-controlled multicenter trial of adenosine as an adjunct to reperfusion in the treatment of acute myocardial infarction (AMISTAD-II), 1776
Reperfusion strategies for acute myocardial infarction in the elderly, 471
Role of collateral blood flow in the apparent disparity between the extent of abnormal wall thickening and perfusion defect size during acute myocardial infarction and demand ischemia, 565
Serial analyses of N-terminal pro-B-type natriuretic peptide in patients with non–ST-segment elevation acute coronary syndromes, 533
Three decades of clinical trials with beta-blockers (editorial), 531
Which white blood cell subtypes predict increased cardiovascular risk?, 1638
Year in interventional cardiology, 1117
Year in valvular heart disease, 111

Myocardial inflammation
Cardiovascular magnetic resonance for the diagnosis of acute myocarditis: prospects for detecting myocardial inflammation, 1824

Myocardial injury
Relationship of irreversible myocardial injury to troponin I and creatine kinase-MB elevation after coronary artery bypass surgery: insights from cardiovascular magnetic resonance imaging (letter), 629

Myocardial necrosis
Is aspirin resistance or female gender associated with a high incidence of myonecrosis after nonurgent percutaneous coronary intervention? (letter), 635
Pregnancy-associated plasma protein-A levels in patients with acute coronary syndromes, 229

Myocardial perfusion
Association of a negative residual stenosis following rescue/adjunctive percutaneous coronary intervention with impaired myocardial perfusion and adverse outcomes among ST-segment elevation myocardial infarction patients, 357
Association of smoking with improved myocardial perfusion and the angiographic characterization of myocardial tissue perfusion after fibrinolytic therapy for ST-segment elevation myocardial infarction (letter), 321
Comparison of treadmill exercise versus dipyridamole stress with myocardial perfusion imaging using rubidium-82 positron emission tomography, 1227
Ethnic differences in the prognostic value of stress technetium-99m tetrofosmin gated single-photon emission computed tomography myocardial perfusion imaging, 1494
Impact of diabetes mellitus on myocardial perfusion after primary angioplasty in patients with acute myocardial infarction, 508
Prognostic score for prediction of cardiac mortality risk after adenosine stress myocardial perfusion scintigraphy, 722
Prognostic value of lung sestamibi uptake in myocardial perfusion imaging of patients with known or suspected coronary artery disease, 1676
Quantification of absolute myocardial perfusion in humans by contrast echocardiography, 754
Quantitative relation between hemodynamic changes during intravenous adenosine infusion and the magnitude of coronary hyperemia, 553

Myocardial regeneration
Highlights of the year in *JACC* 2004, 137

Myocardial viability
Assessment of myocardial viability in reperfused acute myocardial infarction using 16-slice computed tomography in comparison to magnetic resonance imaging, 2042

Myocarditis
Cardiovascular magnetic resonance for the diagnosis of acute myocarditis: prospects for detecting myocardial inflammation, 1824
Diagnostic performance of cardiovascular magnetic resonance in patients with suspected acute myocarditis: comparison of different approaches, 1816
Highlights of the year in *JACC* 2004, 137
36th Bethesda Conference: Task force 4: HCM and other cardiomyopathies, mitral valve prolapse, myocarditis, and Marfan syndrome, 1340

Myocardium
Failure to protect the myocardium against ischemia/reperfusion injury after chronic atorvastatin treatment is recaptured by acute atorvastatin treatment, 1287

Myopericarditis
Cautious interpretation of data regarding myopericarditis associated with smallpox vaccination (letter), 160

Naproxen
Pharmacodynamic interaction of naproxen with low-dose aspirin in healthy subjects, 1295

Natriuretic peptides
Changes in BNP levels and bioelectrical impedance measurements after treatment with high dose furosemide and hypertonic saline solution

versus high dose of furosemide along, in refractory congestive heart failure, 1997
Community screening for left ventricular systolic dysfunction using plasma and urinary natriuretic peptides, 1043
C-type natriuretic peptide, a novel antifibrotic and antihypertrophic agent, prevents cardiac remodeling after myocardial infarction, 608
Discordant atrial natriuretic peptide and brain natriuretic peptide levels in lone atrial fibrillation, 82
Efficacy of brain natriuretic peptide levels in differentiating constrictive pericarditis from restrictive cardiomyopathy, 1901
Incremental predictive power of B-type natriuretic peptide and tissue Doppler echocardiography in the prognosis of patients with congestive heart failure, 1223
Obesity and B-type natriuretic peptide levels in heart failure (letter), 967
Relationship between B-type natriuretic peptides and pulmonary capillary wedge pressure in the intensive care unit, 1667
Serial analyses of N-terminal pro-B-type natriuretic peptide in patients with non–ST-segment elevation acute coronary syndromes, 533
Warning! Context-sensitive data (editorial), 542
Year in valvular heart disease, 111

Neointima
Polymer-based paclitaxel-eluting stents reduce in-stent neointimal tissue proliferation, 1201

Niacin
Efficacy and safety of high-density lipoprotein cholesterol-increasing compounds, 185

Nicotinamide adenine dinucleotide (phosphate)-oxidase
Tyrosine phosphatase SHP-1 is a negative regulator of endothelial superoxide formation, 1700

Nitric oxide
Beneficial effect of hydroxyfasudil, a specific rho-kinase inhibitor, on ischemia/reperfusion injury in canine coronary microcirculation in vivo, 599
Does inhaled nitric oxide support the hemodynamics of spontaneous breathing patients with cardiogenic shock related to right ventricular myocardial infarction? (letter), 965

Nitric oxide synthase
Beneficial effect of hydroxyfasudil, a specific rho-kinase inhibitor, on ischemia/reperfusion injury in canine coronary microcirculation in vivo, 599
Inducible nitric oxide synthase in severe human heart failure (editorial), 1425
Ventricular assist device therapy normalizes inducible nitric oxide synthase expression and reduces cardiomyocyte apoptosis in the failing human heart, 1419

Noncardiac surgery
Impact of pulmonary hypertension on the outcomes of noncardiac surgery, 1691
Statins decrease perioperative cardiac complications in patients undergoing noncardiac vascular surgery, 336

Non–isthmus-dependent atrial flutter
Separating non–isthmus- from isthmus-dependent atrial flutter using wavefront variability, 1269

Non–ST-segment elevation acute coronary syndromes
Gender disparities in the diagnosis and treatment of non–ST-segment elevation acute coronary syndromes, 832

Non–ST-segment elevation myocardial infarction
Health-related quality of life after interventional or conservative strategy in patients with unstable angina or non–ST-segment elevation myocardial infarction, 221
Serial analyses of N-terminal pro-B-type natriuretic peptide in patients with non–ST-segment elevation acute coronary syndromes, 533

Norwood operation
Impact of re-coarctation following the Norwood operation on survival in the balloon angioplasty era, 1845

Obesity
Obesity and B-type natriuretic peptide levels in heart failure (letter), 967
Prognostic importance of body mass index after complicated myocardial infarction (letter), 156

Obstructive sleep apnea
Inhibition of awake sympathetic nerve activity of heart failure patients with obstructive sleep apnea by nocturnal continuous positive airway pressure, Usui

Occlusion
Different effects of high cholesterol diet on ischemic cardiac dysfunction and remodeling induced by coronary stenosis and by coronary occlusion, 2078
Increase of C-reactive protein is associated with enhanced activation of endogenous fibrinolysis at baseline but an impaired endothelial fibrinolytic response after venous occlusion, 30
Thirty-day incidence and six-month clinical outcome of thrombotic stent occlusion after bare-metal, sirolimus, or paclitaxel stent implantation, 947

Older adults
See also Age; Elderly
Heart failure training: care for older adults with chronic heart failure (letter), 2096

Omega-3 fatty acids
Fish intake and risk of incident heart failure, 2015
Omega-3 fatty acids for secondary prevention (letter), 1552

Outcomes
Association of a negative residual stenosis following rescue/adjunctive percutaneous coronary intervention with impaired myocardial perfusion and adverse outcomes among ST-segment elevation myocardial infarction patients, 357
Better outcome after pediatric defibrillation dosage than adult dosage in a swine model of pediatric ventricular fibrillation, 786
Definition of failed lysis may have influenced outcome in the MERLIN trial (letter), 808
Gender-based outcomes after paclitaxel-eluting stent implantation in patients with coronary artery disease, 1180
Long-term outcome of transcatheter secundum-type atrial septal defect closure using Amplatzer septal occluders, 505
Outcomes with the paclitaxel-eluting stent in patients with acute coronary syndromes, 1165
Pre-existent left atrial scarring in patients undergoing pulmonary vein antrum isolation, 285
Prior exercise training improves the outcome of acute myocardial infarction in the rat, 931
Thirty-day incidence and six-month clinical outcome of thrombotic stent occlusion after bare-metal, sirolimus, or paclitaxel stent implantation, 947
Ventricular asynchrony predicts a better outcome in patients with chronic heart failure receiving cardiac resynchronization therapy, 65

Outflow tract tachycardia
Outflow tract tachycardia with R/S transition in lead V_3, 418

Oxidative stress
CD40 ligand enhances monocyte tissue factor expression and thrombin generation via oxidative stress in patients with hypercholesterolemia, 35
Only two-week smoking cessation improves platelet aggregability and intraplatelet redox imbalance of long-term smokers, 589

Pacemakers
See also Implantable cardioverter-defibrillators
Clinical study of interference with cardiac pacemakers by a magnetic field at power line frequencies, 896
Current of injury predicts adequate active lead fixation in permanent pacemaker/defibrillation leads, 412
Pacemaker complication during magnetic resonance imaging (letter), 161
Severe symptomatic tricuspid valve regurgitation due to permanent pacemaker or implantable cardioverter defibrillator leads, 1672

Pacing
Fast ventricular tachycardias in patients with implantable cardioverter-defibrillators: efficacy and safety of antitachycardia pacing, 460
Right atrial pacing impairs cardiac function during resynchronization therapy, 1482

Paclitaxel-eluting stents
See also Drug-eluting stents
Angiographic patterns of restenosis after paclitaxel-eluting stent implantation, 805
Gender-based outcomes after paclitaxel-eluting stent implantation in patients with coronary artery disease, 1180
Outcomes of paclitaxel-eluting stent implantation in patients with stenosis of the left anterior descending coronary artery, 1186
Outcomes with the paclitaxel-eluting stent in patients with acute coronary syndromes, 1165
Outcomes with the polymer-based paclitaxel-eluting TAXUS stent in patients with diabetes mellitus, 1172
Polymer-based paclitaxel-eluting stents reduce in-stent neointimal tissue proliferation, 1201
Prospective randomized comparison between paclitaxel and sirolimus stents in the real world of interventional cardiology, 308
Thirty-day incidence and six-month clinical outcome of thrombotic stent occlusion after bare-metal, sirolimus, or paclitaxel stent implantation, 947
Unrestricted use of paclitaxel- versus sirolimus-eluting stents for coronary artery disease in an unselected population, 1135
What is the risk of stent thrombosis associated with the use of paclitaxel-eluting stents for percutaneous coronary intervention?, 941

Paroxysmal atrial fibrillation
Rapid and stable reentry within the pulmonary vein as a mechanism initiating paroxysmal atrial fibrillation, 1872

Patent ductus arteriosus
36th Bethesda Conference: Task force 2: congenital heart disease, 1326

Patent foramen ovale
Association of interatrial shunts and migraine headaches, 489

Migraine headache relief after transcatheter closure of patent foramen ovale, 493
Proper conduct of Valsalva maneuver for the detection of patent foramen ovale (letter), 1145
Transcatheter closure of patent foramen ovale for migraine prophylaxis (editorial), 496
Transcatheter treatment of atrial septal aneurysm associated with patent foramen ovale for prevention of recurrent paradoxical embolism in high-risk patients, 377

PCSK9
Common *PCSK9* haplotype, encompassing the E670G coding single nucleotide polymorphism, is a novel genetic marker for plasma low-density-lipoprotein cholesterol levels and severity of coronary atherosclerosis, 1611
What promise does PCSK9 hold? (editorial), 1620

Pediatrics
See Children

Percutaneous coronary interventions
Advantage of percutaneous coronary intervention over medical therapy in angina relief and the placebo effect (letter), 327
Association of a negative residual stenosis following rescue/adjunctive percutaneous coronary intervention with impaired myocardial perfusion and adverse outcomes among ST-segment elevation myocardial infarction patients, 357
Big chill: the deleterious effects of public reporting on access to health care for the sickest patients, 1767
Detection of embolic particles with the Doppler guide wire during coronary intervention in patients with acute myocardial infarction, 212
Economic effects of prolonged clopidogrel therapy after percutaneous coronary intervention, 369
High serum erythropoietin level is associated with smaller infarct size in patients with acute myocardial infarction who undergo successful primary percutaneous coronary intervention, 1406
Highlights of the year in *JACC* 2004, 137
Hyperglycemia is an important predictor of impaired coronary flow before reperfusion therapy in ST-segment elevation myocardial infarction, 999
Impact of diabetes mellitus on myocardial perfusion after primary angioplasty in patients with acute myocardial infarction, 508
Is aspirin resistance or female gender associated with a high incidence of myonecrosis after nonurgent percutaneous coronary intervention? (letter), 635
Prediction of mortality after primary percutaneous coronary intervention for acute myocardial infarction, 1397
Primary angioplasty is cost-minimizing compared with pre-hospital thrombolysis for patients within 60 min of a percutaneous coronary intervention center, 515
Prodromal angina limits infarct size in the setting of acute anterior myocardial infarction treated with primary percutaneous intervention (letter), 1545
Public reporting and case selection for percutaneous coronary interventions: an analysis from two large multicenter PCI databases, 1759
Risk factors for the development of retroperitoneal hematoma after percutaneous coronary intervention in the era of glycoprotein IIb/IIIa inhibitors and vascular closure devices, 363
Staged initial percutaneous coronary intervention followed by valve surgery ("hybrid approach") for patients with complex coronary and valve disease, 14
Use of bivalirudin during percutaneous coronary intervention in patients with diabetes mellitus: an analysis from the REPLACE-2 trial, 1932
Vascular complications associated with arteriotomy closure devices in patients undergoing percutaneous coronary procedures (letter), Chou
What is the risk of stent thrombosis associated with the use of paclitaxel-eluting stents for percutaneous coronary intervention?, 941
Year in interventional cardiology, 1117

Percutaneous heart valves
Clinical development of percutaneous heart valve technology, 1554

Percutaneous left atrial appendage transcatheter occlusion
Effects of percutaneous left atrial appendage transcatheter occlusion (PLAATO) on left atrial structure and function (letter), 634

Percutaneous mitral balloon valvotomy
36th Bethesda Conference: Task force 3: valvular heart disease, 1334

Percutaneous transluminal coronary angioplasty
Impact of diabetes mellitus on myocardial perfusion after primary angioplasty in patients with acute myocardial infarction, 508
Primary angioplasty is cost-minimizing compared with pre-hospital thrombolysis for patients within 60 min of a percutaneous coronary intervention center, 515

Performance-enhancing substances
36th Bethesda Conference: Task force 9: drugs and performance-enhancing substances, 1364

Pericarditis
36th Bethesda Conference: Task force 4: HCM and other cardiomyopathies, mitral valve prolapse, myocarditis, and Marfan syndrome, 1340

Perindopril
Effect of perindopril on the onset and progression of left ventricular dysfunction in Duchenne muscular dystrophy, 855

Peripheral arterial disease
Detection of peripheral vascular stenosis by assessing skeletal muscle flow reserve, 780

Phenylephrine
Efficacy of a patient-activated pharmacologic pump using phenylephrine as active drug and prodromal symptoms as a marker of imminent loss of consciousness to abort tilt-induced syncope (letter), 320

Phosphatase and tensin homolog deleted on chromosome ten
Failure to protect the myocardium against ischemia/reperfusion injury after chronic atorvastatin treatment is recaptured by acute atorvastatin treatment, 1287

Phosphoinositide 3-kinase
Targeted inhibition of βARK1-associated phosphoinositide 3-kinase activity preserves β-adrenergic receptor signaling and prolongs survival in heart failure induced by calsequestrin overexpression, 1863

Pioglitazone
Improvement or cardiovascular risk markers by pioglitazone is independent from glycemic control—results from the Pioneer study, 1925

Placebo effect
Advantage of percutaneous coronary intervention over medical therapy in angina relief and the placebo effect (letter), 327

Planimetry
Planimetry of mitral valve stenosis by magnetic resonance imaging, 2048

Plant sterols
Plant sterols in serum and in atherosclerotic plaques of patients undergoing carotid endarterectomy, 1795

Plaque
Act local, act global (editorial), 1600
Angioscopic follow-up study of coronary ruptured plaques in nonculprit lesions, 652
Detection of lipid-laden atherosclerotic plaque by wavelet analysis of radio-frequency intravascular ultrasound signals: in vitro validation and preliminary in vivo application, 1954
Diffuse and active inflammation occurs in both vulnerable and stable plaques of the entire coronary tree, 1585
Does shear stress modulate both plaque progression and regression in the thoracic aorta?, 846
Effect of lipid-lowering therapy with atorvastatin on atherosclerotic aortic plaques detected by noninvasive magnetic resonance imaging, 733
Incidence and clinical correlates of ruptured plaques in saphenous vein grafts: an intravascular ultrasound study, 1974
Multiple plaque rupture and C-reactive protein in acute myocardial infarction, 1594
Picking plaques that pop. . . (editorial), 1970
Plant sterols in serum and in atherosclerotic plaques of patients undergoing carotid endarterectomy, 1795
Plaque rupture and intracoronary thrombus in nonculprit vessels (editorial), 659
Volumetric quantitative analysis of tissue characteristics of coronary plaques after statin therapy using three dimensional integrated backscatter intravascular ultrasound (3D IB-IVUS), 1946

Plasma
Relationship between inflammation and venous thromboembolism as studied by microparticle assessment in plasma (editorial), 1472

Plasma protein-A
Pregnancy-associated plasma protein-A levels in patients with acute coronary syndromes, 229

Plasminogen activator inhibitor-1
Gender differences in endothelial tissue-type plasminogen activator release in middle-aged adults (letter), 1547

Platelet(s)
Antagonism of selectin function attenuates microvascular platelet deposition and platelet-mediated myocardial injury after transient ischemia, 293
Elevation of endothelial microparticles, platelets, and leukocyte activation in patients with venous thromboembolism, 1467
Enhanced shear-induced platelet aggregation in patients who experienced subacute stent thrombosis: a case-control study, 1753
Highlights of the year in *JACC* 2004, 137
Only two-week smoking cessation improves platelet aggregability and intraplatelet redox imbalance of long-term smokers, 589
Platelet P-selectin plays an important role in arterial thrombogenesis by forming large stable platelet-leukocyte aggregates, 1280

Pregnancy-associated plasma protein-A levels in patients with acute coronary syndromes, 229
Relation of dosing to clopidogrel responsiveness and the incidence of high post-treatment platelet aggregation in patients undergoing coronary stenting, 1392
Variability in platelet responsiveness to clopidogrel among 544 individuals, 246

Platelet-derived nitric oxide
Only two-week smoking cessation improves platelet aggregability and intraplatelet redox imbalance of long-term smokers, 589

Platelet-leukocyte aggregates
Platelet P-selectin plays an important role in arterial thrombogenesis by forming large stable platelet-leukocyte aggregates, 1280

Polyunsaturated fatty acids
N-3 fatty acids for the prevention of atrial fibrillation after coronary artery bypass surgery, 1723

Positron emission tomography
Comparison of treadmill exercise versus dipyridamole stress with myocardial perfusion imaging using rubidium-82 positron emission tomography, 1227
Positron emission tomography-measured abnormal responses of myocardial blood flow to sympathetic stimulation are associated with the risk of developing cardiovascular events, 1505

Pravastatin
Relative efficacy of atorvastatin 80 mg and pravastatin 40 mg in achieving he dual goals of low-density lipoprotein cholesterol, 1644

Pregnancy-associated plasma protein-A
Pregnancy-associated plasma protein-A levels in patients with acute coronary syndromes, 229

Premature ventricular complexes
Radiofrequency catheter ablation of premature ventricular complexes from right ventricular outflow tract improves left ventricular dilation and clinical status in patients without structural heart disease, 1259
36th Bethesda Conference: Task force 7: arrhythmias, 1354

PRESTO trial
Predictive factors for ischemic target vessel revascularization in the Prevention of Restenosis with Tranilast and its Outcomes (PRESTO) trial, 198

Primary aldosteronism
Evidence for an increased rate of cardiovascular events in patients with primary aldosteronism, 1243
Should we consider aldosterone as the primary screening target for preventing cardiovascular events? (editorial), 1249

Progenitor cells
Circulating endothelial progenitor cells are reduced in peripheral vascular complications of type 2 diabetes mellitus, 1449
Endothelial progenitor cell capture by stents coated with antibody against CD34, 1574
Endothelial progenitor obsolescence and atherosclerotic inflammation (editorial), 1458
Impaired progenitor cell activity in age-related endothelial dysfunction, 1441

Prosthesis-patient mismatch
Impact of valve prosthesis-patient mismatch on pulmonary arterial pressure after mitral valve replacement, 1034
Residual pulmonary artery hypertension after mitral valve replacement (editorial), 1041

Prosthetic heart valves
See also Bioprostheses
Clinical development of percutaneous heart valve technology, 1554
36th Bethesda Conference: Task force 3: valvular heart disease, 1334
Year in valvular heart disease, 111

Prosthetic valve thrombosis
Thrombolysis should be regarded as first-line therapy for prosthetic valve thrombosis in the absence of contraindications (letter), 325

P-selectin
Platelet P-selectin plays an important role in arterial thrombogenesis by forming large stable platelet-leukocyte aggregates, 1280

Psychosocial risk factors
Epidemiology, pathophysiology, and management of psychosocial risk factors in cardiac practice, 637

Public reporting
Big chill: the deleterious effects of public reporting on access to health care for the sickest patients, 1767

Pulmonary arterial pressure
Impact of valve prosthesis-patient mismatch on pulmonary arterial pressure after mitral valve replacement, 1034

Pulmonary artery
Electrocardiographic and electrophysiologic characteristics of ventricular tachycardia originating within the pulmonary artery, 887

Pulmonary artery hypertension
Residual pulmonary artery hypertension after mitral valve replacement (editorial), 1041

Pulmonary artery stents
Highlights of the year in *JACC* 2004, 137

Pulmonary capillary wedge pressure
Relationship between B-type natriuretic peptides and pulmonary capillary wedge pressure in the intensive care unit, 1667

Pulmonary hypertension
Impact of pulmonary hypertension on the outcomes of noncardiac surgery, 1691
Increased [^{18}F]fluorodeoxyglucose accumulation in right ventricular free wall in patients with pulmonary hypertension and the effect of epoprostenol, 1850

Pulmonary stenosis
36th Bethesda Conference: Task force 2: congenital heart disease, 1326

Pulmonary valve replacement
Year in valvular heart disease, 111

Pulmonary vein antrum isolation
Need for atrial flutter ablation following pulmonary vein antrum isolation in patients with and without previous cardiac surgery, 690
Pre-existent left atrial scarring in patients undergoing pulmonary vein antrum isolation, 285

Pulmonary veins
Autonomically induced conversion of pulmonary vein focal firing into atrial fibrillation, 1879
Multislice computed tomography versus intracardiac echocardiography to evaluate the pulmonary veins before radiofrequency catheter ablation of atrial fibrillation, 343
Rapid and stable reentry within the pulmonary vein as a mechanism initiating paroxysmal atrial fibrillation, 1872

Pulse pressure
Increased ambulatory pulse pressure is a strong risk factor for coronary endothelial vasomotor dysfunction, 1461

QRS duration
Cross-sectional relations of electrocardiographic QRS duration to left ventricular dimensions, 685

QT interval
Dietary linolenic acid and adjusted QT and JT intervals in the National Heart, Lung, and Blood Institute Family Heart Study, 1716

Quality of life
Health-related quality of life after interventional or conservative strategy in patients with unstable angina or non–ST-segment elevation myocardial infarction, 221

Race
See also African Americans
Care disparities (editorial), 79
Trends in implantable cardioverter-defibrillator racial disparity, 72

Radiofrequency ablation
See also Ablation
Focal atrial tachycardia from the ostium of the coronary sinus, 1488
Multislice computed tomography versus intracardiac echocardiography to evaluate the pulmonary veins before radiofrequency catheter ablation of atrial fibrillation, 343
Outflow tract tachycardia with R/S transition in lead V_3, 418
Radiofrequency ablation of "benign" right ventricular outflow tract extrasystole? (editorial), 1266
Radiofrequency catheter ablation of premature ventricular complexes from right ventricular outflow tract improves left ventricular dilation and clinical status in patients without structural heart disease, 1259
Role of transtelephonic electrocardiographic monitoring in detecting short-term arrhythmia recurrences after radiofrequency ablation in patients with atrial fibrillation, 873
Transcatheter radiofrequency ablation of atrial fibrillation in patients with mitral valve prostheses and enlarged atria, 868

Randomized controlled trials
Cardiac medical therapy in patients after undergoing coronary artery bypass graft surgery, 177
Efficacy and safety of high-density lipoprotein cholesterol-increasing compounds, 185

Real-time contrast echocardiography
Safety of dobutamine stress real-time myocardial contrast echocardiography, 1235

Reentry
Rapid and stable reentry within the pulmonary vein as a mechanism initiating paroxysmal atrial fibrillation, 1872

Remodeling
C-type natriuretic peptide, a novel antifibrotic and antihypertrophic agent, prevents cardiac remodeling after myocardial infarction, 608
Detection of pathologic or physiologic left ventricular remodeling in athletes (letter), 1731

Renal insufficiency
Angiotensin-converting enzyme inhibitors and outcome among patients with heart failure and renal insufficiency: need for a prospective study(letter), 1905

Renal transplantation
Effect of kidney transplantation on left ventricular systolic dysfunction and congestive heart failure in patients with end-stage renal disease, 1051

Improvement of heart failure after renal transplantation (editorial), 1061

Reperfusion
Assessment of myocardial viability in reperfused acute myocardial infarction using 16-slice computed tomography in comparison to magnetic resonance imaging, 2042
Beneficial effect of hydroxyfasudil, a specific rho-kinase inhibitor, on ischemia/reperfusion injury in canine coronary microcirculation in vivo, 599
Gender and myocardial salvage after reperfusion treatment in acute myocardial infarction, 828
Hyperglycemia is an important predictor of impaired coronary flow before reperfusion therapy in ST-segment elevation myocardial infarction, 999
Randomized, double-blinded, placebo-controlled multicenter trial of adenosine as an adjunct to reperfusion in the treatment of acute myocardial infarction (AMISTAD-II), 1776
Reperfusion strategies for acute myocardial infarction in the elderly, 471

Rescue angioplasty
Definition of failed lysis may have influenced outcome in the MERLIN trial (letter), 808
Rescue angioplasty—The MERLIN trial (letter), 806

Research
Alcohol and the cardiovascular system: research challenges and opportunities, 1916
Antagonism of selectin function attenuates microvascular platelet deposition and platelet-mediated myocardial injury after transient ischemia, 293
Beneficial effect of hydroxyfasudil, a specific rho-kinase inhibitor, on ischemia/reperfusion injury in canine coronary microcirculation in vivo, 599
Detection of peripheral vascular stenosis by assessing skeletal muscle flow reserve, 780
Effectiveness of fludrocortisone and salt in preventing syncope recurrence in children, 484
Prior exercise training improves the outcome of acute myocardial infarction in the rat, 931
Statins decrease perioperative cardiac complications in patients undergoing noncardiac vascular surgery, 336

Restenosis
See also Stenosis
Angiographic patterns of restenosis after paclitaxel-eluting stent implantation, 805
Predictive factors for ischemic target vessel revascularization in the Prevention of Restenosis with Tranilast and its Outcomes (PRESTO) trial, 198
Simple, inexpensive, rapid, and accurate preclinical model for in-stent restenosis (letter), 1310
Year in interventional cardiology, 1117

Restrictive cardiomyopathy
Efficacy of brain natriuretic peptide levels in differentiating constrictive pericarditis from restrictive cardiomyopathy, 1901

Retroperitoneal hematoma
Risk factors for the development of retroperitoneal hematoma after percutaneous coronary intervention in the era of glycoprotein IIb/IIIa inhibitors and vascular closure devices, 363

Revascularization
Predictive factors for ischemic target vessel revascularization in the Prevention of Restenosis with Tranilast and its Outcomes (PRESTO) trial, 198
Relationship between angiographic late loss and target lesion revascularization after coronary stent implantation, 1191

Rheumatoid arthritis
Simvastatin improves endothelial function in patients with rheumatoid arthritis, 461

Rho-kinase inhibitors
Beneficial effect of hydroxyfasudil, a specific rho-kinase inhibitor, on ischemia/reperfusion injury in canine coronary microcirculation in vivo, 599

Right atrial pacing
Right atrial pacing impairs cardiac function during resynchronization therapy, 1482

Right bundle branch block
Detection of left ventricular asynchrony in patients with right bundle branch block after repair of tetralogy of Fallot using tissue-Doppler imaging-derived strain, 915
36th Bethesda Conference: Task force 7: arrhythmias, 1354

Right ventricle
Improvements in cardiac form and function after transcatheter closure of secundum atrial septal defects, 499
Increased [^{18}F]fluorodeoxyglucose accumulation in right ventricular free wall in patients with pulmonary hypertension and the effect of epoprostenol, 1850
Left ventricular assist device support normalizes left and right ventricular beta-adrenergic pathway properties, 668

Right ventricular cardiomyopathy
Noninvasive detection of myocardial fibrosis in arrhythmogenic right ventricular cardiomyopathy using delayed-enhancement magnetic resonance imaging, 98

Right ventricular myocardial infarction
Does inhaled nitric oxide support the hemodynamics of spontaneous breathing patients with cardiogenic shock related to right ventricular myocardial infarction? (letter), 965

Right ventricular outflow tract
Radiofrequency ablation of "benign" right ventricular outflow tract extrasystole? (editorial), 1266
Radiofrequency catheter ablation of premature ventricular complexes from right ventricular outflow tract improves left ventricular dilation and clinical status in patients without structural heart disease, 1259

Risk stratification
Electrocardiography and Doppler echocardiography for risk stratification in patients with chronic heart failure, 1072
Glutathione peroxidase-1 and homocysteine for cardiovascular risk prediction, 1631
Improvement or cardiovascular risk markers by pioglitazone is independent from glycemic control—results from the Pioneer study, 1925
Is the association between flow-mediated dilatation and cardiovascular risk limited to low risk populations?, 1987
Primary and a half prevention—can we identify asymptomatic subjects with high vascular risk? (editorial), 1994
Prognostic score for prediction of cardiac mortality risk after adenosine stress myocardial perfusion scintigraphy, 722
Quantitative instruments for predicting risk. . .and benefit (editorial), 730
What is the risk of stent thrombosis associated with the use of paclitaxel-eluting stents for percutaneous coronary intervention?, 941
Which white blood cell subtypes predict increased cardiovascular risk?, 1638

Rubidium-82 positron emission tomography
Comparison of treadmill exercise versus dipyridamole stress with myocardial perfusion imaging using rubidium-82 positron emission tomography, 1227

Salt
Effectiveness of fludrocortisone and salt in preventing syncope recurrence in children, 484

Saphenous vein grafts
Incidence and clinical correlates of ruptured plaques in saphenous vein grafts: an intravascular ultrasound study, 1974
Treatment of saphenous vein graft lesions with drug-eluting stents, 989
Year in interventional cardiology, 1117

Sarcoidosis
Evaluation of the accuracy of gadolinium-enhanced cardiovascular magnetic resonance in the diagnosis of cardiac sarcoidosis, 1683

Scintigraphy
Prognostic score for prediction of cardiac mortality risk after adenosine stress myocardial perfusion scintigraphy, 722

Screenings
Identifying high-risk asymptomatic diabetic patients who are candidates for screening stress single-photon emission computed tomography imaging, 43
Primary and a half prevention—can we identify asymptomatic subjects with high vascular risk? (editorial), 1994
Should we screen for occult coronary artery disease among asymptomatic patients with diabetes?, 50

Selectins
Antagonism of selectin function attenuates microvascular platelet deposition and platelet-mediated myocardial injury after transient ischemia, 293
Platelet P-selectin plays an important role in arterial thrombogenesis by forming large stable platelet-leukocyte aggregates, 1280

Septal tachycardia
Cryo-ablation for septal tachycardia substrates in pediatric patients, 581

September 11, 2001
World Trade Center attack and cardiac events: fact or fear? (letter), 1732

Shear stress
Does shear stress modulate both plaque progression and regression in the thoracic aorta?, 846

Shear-induced platelet aggregation
Enhanced shear-induced platelet aggregation in patients who experienced subacute stent thrombosis: a case-control study, 1753

Short QT syndrome
36th Bethesda Conference: Task force 7: arrhythmias, 1354

SHP-1
Tyrosine phosphatase SHP-1 is a negative regulator of endothelial superoxide formation, 1700

Shunts
Association of interatrial shunts and migraine headaches, 489

Simvastatin
Simvastatin improves endothelial function in patients with rheumatoid arthritis, 461

Single nucleotide polymorphism
Common *PCSK9* haplotype, encompassing the E670G coding single nucleotide

polymorphism, is a novel genetic marker for plasma low-density-lipoprotein cholesterol levels and severity of coronary atherosclerosis, 1611

Single-photon emission computed tomography
See also Computed tomography
Ethnic differences in the prognostic value of stress technetium-99m tetrofosmin gated single-photon emission computed tomography myocardial perfusion imaging, 1494
Highlights of the year in *JACC* 2004, 137
Identifying high-risk asymptomatic diabetic patients who are candidates for screening stress single-photon emission computed tomography imaging, 43

Sirolimus-eluting stents
Direct stenting of native de novo coronary artery lesions with the sirolimus-eluting stent, 10
Highlights of the 2004 Transcatheter Cardiovascular Therapeutics (TCT) Annual Meeting: clinical implications, 796
Prospective randomized comparison between paclitaxel and sirolimus stents in the real world of interventional cardiology, 308
Sirolimus-eluting stent implantation for unprotected left main coronary artery stenosis, 351
Stent underexpansion and residual reference segment stenosis are related to stent thrombosis after sirolimus-eluting stent implantation, 995
Thirty-day incidence and six-month clinical outcome of thrombotic stent occlusion after bare-metal, sirolimus, or paclitaxel stent implantation, 947
Unrestricted use of paclitaxel- versus sirolimus-eluting stents for coronary artery disease in an unselected population, 1135

Skeletal muscle flow reserve
Detection of peripheral vascular stenosis by assessing skeletal muscle flow reserve, 780

Sleep apnea
Cardiac resynchronization therapy, central sleep apnea, and Cheyne-Stokes respiration in chronic heart failure patients (letter), 633
Inhibition of awake sympathetic nerve activity of heart failure patients with obstructive sleep apnea by nocturnal continuous positive airway pressure, 2008
Treating sleep apnea in heart failure patients: promises but still no prizes (editorial), 2012

Smallpox vaccination
Cautious interpretation of data regarding myopericarditis associated with smallpox vaccination (letter), 160

Smokeless tobacco
Hemodynamic and autonomic effects of smokeless tobacco in healthy young men, 910

Smoking
Association of smoking with improved myocardial perfusion and the angiographic characterization of myocardial tissue perfusion after fibrinolytic therapy for ST-segment elevation myocardial infarction (letter), 321
Only two-week smoking cessation improves platelet aggregability and intraplatelet redox imbalance of long-term smokers, 589

Spectral Doppler sonification
Broad-beam spectral Doppler sonification of the vena contracta using matrix-array technology, 770

Spontaneous echo contrast
Patients with atrial fibrillation and dense spontaneous echo contrast at high risk—a prospective and serial follow-up over 12 months with transesophageal echocardiography and cerebral magnetic resonance imaging, 1808

Sports
36th Bethesda Conference: Task force 8: classification of sports, 1364

ST segment
C-reactive protein and electrocardiographic ST segment depression additively predict mortality: The Strong Heart Study, 1788

Statins
Additive beneficial effects of fenofibrate combined with atorvastatin in the treatment of combined hyperlipidemia, 1649
Efficacy and safety of high-density lipoprotein cholesterol-increasing compounds, 185
Failure to protect the myocardium against ischemia/reperfusion injury after chronic atorvastatin treatment is recaptured by acute atorvastatin treatment, 1287
Optimal lipids, statins, and dementia (letter), 963
Pleiotropic effects of statins (editorial), 1292
Relative efficacy of atorvastatin 80 mg and pravastatin 40 mg in achieving he dual goals of low-density lipoprotein cholesterol, 1644
Statins decrease perioperative cardiac complications in patients undergoing noncardiac vascular surgery, 336
Volumetric quantitative analysis of tissue characteristics of coronary plaques after statin therapy using three dimensional integrated backscatter intravascular ultrasound (3D IB-IVUS), 1946

Stenosis
See also Restenosis
Association of a negative residual stenosis following rescue/adjunctive percutaneous coronary intervention with impaired myocardial perfusion and adverse outcomes among ST-segment elevation myocardial infarction patients, 357
Coronary stenosis detection by 16-slice computed tomography in heart transplant patients: comparison with conventional angiography and impact on clinical management, 1827
Different effects of high cholesterol diet on ischemic cardiac dysfunction and remodeling induced by coronary stenosis and by coronary occlusion, 2078
Evaluation of flow in the left anterior descending coronary artery but not in the left internal mammary artery graft predicts significant stenosis of the arterial conduit, 424
Outcomes of paclitaxel-eluting stent implantation in patients with stenosis of the left anterior descending coronary artery, 1186
Sirolimus-eluting stent implantation for unprotected left main coronary artery stenosis, 351
Stent underexpansion and residual reference segment stenosis are related to stent thrombosis after sirolimus-eluting stent implantation, 995

Stents and stenting
See also Drug-eluting stents
Angiographic patterns of restenosis after paclitaxel-eluting stent implantation, 805
Clinical competence statement on carotid stenting: training and credentialing for carotid stenting—multispecialty consensus recommendations, 165
Coronary stenting versus balloon angioplasty in small vessels (letter), 323
Creatine kinase-MB elevation following stent implantation(letter), 1908
Direct stenting of native de novo coronary artery lesions with the sirolimus-eluting stent, 10
Drug-eluting stent thrombosis, 954
Drug-eluting stents for diabetes mellitus, 479
Embolic protection devices for carotid artery stenting: is there a difference between filter and distal occlusive devices?, 1775
Endothelial progenitor cell capture by stents coated with antibody against CD34, 1574
Enhanced shear-induced platelet aggregation in patients who experienced subacute stent thrombosis: a case-control study, 1753
Highlights of the 2004 Transcatheter Cardiovascular Therapeutics (TCT) Annual Meeting: clinical implications, 796
Highlights of the year in *JACC* 2004, 137
Late angiographic stent thrombosis (LAST) events with drug-eluting stents, 2088
Multiple overlapping drug-eluting stents to treat diffuse disease of the left anterior descending coronary artery, 1570
Outcomes with the paclitaxel-eluting stent in patients with acute coronary syndromes, 1165
Outcomes with the polymer-based paclitaxel-eluting TAXUS stent in patients with diabetes mellitus, 1172
Polymer-based paclitaxel-eluting stents reduce in-stent neointimal tissue proliferation, 1201
Prevalence and clinical impact of stent fractures after femoropopliteal stenting, 312
Prospective randomized comparison between paclitaxel and sirolimus stents in the real world of interventional cardiology, 308
Relation of dosing to clopidogrel responsiveness and the incidence of high post-treatment platelet aggregation in patients undergoing coronary stenting, 1392
Relationship between angiographic late loss and target lesion revascularization after coronary stent implantation, 1191
Sirolimus-eluting stent implantation for unprotected left main coronary artery stenosis, 351
Stent thrombosis is associated with an impaired response to antiplatelet therapy, 1748
Stent underexpansion and residual reference segment stenosis are related to stent thrombosis after sirolimus-eluting stent implantation, 995
Surrogates, substudies, and real clinical end points in trial of drug-eluting stents (editorial), 1206
Thirty-day incidence and six-month clinical outcome of thrombotic stent occlusion after bare-metal, sirolimus, or paclitaxel stent implantation, 947
Treatment of saphenous vein graft lesions with drug-eluting stents, 989
What is the risk of stent thrombosis associated with the use of paclitaxel-eluting stents for percutaneous coronary intervention?, 941

Stress echocardiography
Stress echocardiography: current methodology and clinical applications, 1747

Stroke
Angiotensin II inhibition and prevention of atrial fibrillation and stroke (editorial), 720
Angiotensin II receptor blockade reduces new-onset atrial fibrillation and subsequent stroke compared to atenolol, 712
Are transthoracic echocardiographic parameters associated with atrial fibrillation recurrence or stroke? Results from the AFFIRM study, 2026

Recent hypertension trials, 813
ST-segment elevation myocardial infarction
See also Myocardial infarction
Association of a negative residual stenosis following rescue/adjunctive percutaneous coronary intervention with impaired myocardial perfusion and adverse outcomes among ST-segment elevation myocardial infarction patients, 357
Association of smoking with improved myocardial perfusion and the angiographic characterization of myocardial tissue perfusion after fibrinolytic therapy for ST-segment elevation myocardial infarction (letter), 321
Conflation of empiric and nonempiric truths in cardiovascular guidelines (letter), 1551
Hyperglycemia is an important predictor of impaired coronary flow before reperfusion therapy in ST-segment elevation myocardial infarction, 999
Omega-3 fatty acids for secondary prevention (letter), 1552
Subclinical hypothyroidism
Does subclinical hypothyroidism affect cardiac pump performance?, 439
Supraventricular tachycardia
36th Bethesda Conference: Task force 7: arrhythmias, 1354
Transvenous cryothermal catheter ablation of re-entry circuit located near the atrioventricular junction in pediatric patients, 1096
Surgery
See also Ablation; Cardiac surgery; Coronary artery bypass grafting; Radiofrequency ablation
Impact of pulmonary hypertension on the outcomes of noncardiac surgery, 1691
Intraoperative crossover: the well-kept surgical secret to apparent surgical success, 1529
Need for atrial flutter ablation following pulmonary vein antrum isolation in patients with and without previous cardiac surgery, 690
Preservation of the anterior fat pad and incidence of postoperative atrial fibrillation following coronary surgery (letter), 1308
Statins decrease perioperative cardiac complications in patients undergoing noncardiac vascular surgery, 336
Year in cardiovascular surgery, 1517
Sympathetic nerves
Inhibition of awake sympathetic nerve activity of heart failure patients with obstructive sleep apnea by nocturnal continuous positive airway pressure, 2008
Syncope
Amnesia for loss of consciousness in carotid sinus syndrome—implications for presentation with falls, 1841
Effectiveness of fludrocortisone and salt in preventing syncope recurrence in children, 484
Efficacy of a patient-activated pharmacologic pump using phenylephrine as active drug and prodromal symptoms as a marker of imminent loss of consciousness to abort tilt-induced syncope (letter), 320
36th Bethesda Conference: Task force 7: arrhythmias, 1354
Systolic blood pressure
Influence of pretreatment systolic blood pressure on benefit from carvedilol in severe chronic heart failure patients (letter), 809
Systolic dysfunction
Noninvasive diagnosis of coronary artery disease in patients with heart failure and systolic dysfunction of uncertain etiology, using late gadolinium-enhanced cardiovascular magnetic resonance, 743
Tachyarrhythmias
Transcatheter cryoablation of tachyarrhythmias in children, 133
Tachycardia
See also Atrial tachycardia; Ventricular tachycardia
Cryo-ablation for septal tachycardia substrates in pediatric patients, 581
Outflow tract tachycardia with R/S transition in lead V_3, 418
Target lesion revascularization
Relationship between angiographic late loss and target lesion revascularization after coronary stent implantation, 1191
Target vessel revascularization
Predictive factors for ischemic target vessel revascularization in the Prevention of Restenosis with Tranilast and its Outcomes (PRESTO) trial, 198
TAXUS stent
Gender-based outcomes after paclitaxel-eluting stent implantation in patients with coronary artery disease, 1180
Outcomes of paclitaxel-eluting stent implantation in patients with stenosis of the left anterior descending coronary artery, 1186
Outcomes with the polymer-based paclitaxel-eluting TAXUS stent in patients with diabetes mellitus, 1172
Polymer-based paclitaxel-eluting stents reduce in-stent neointimal tissue proliferation, 1201
Relationship between angiographic late loss and target lesion revascularization after coronary stent implantation, 1191
Surrogates, substudies, and real clinical end points in trial of drug-eluting stents (editorial), 1206
Technetium-99m
Ethnic differences in the prognostic value of stress technetium-99m tetrofosmin gated single-photon emission computed tomography myocardial perfusion imaging, 1494
Prognostic value of lung sestamibi uptake in myocardial perfusion imaging of patients with known or suspected coronary artery disease, 1676
Telemonitoring
Noninvasive home telemonitoring for patients with heart failure at high risk of recurrent admission and death, 1654
Tetralogy of Fallot
Detection of left ventricular asynchrony in patients with right bundle branch block after repair of tetralogy of Fallot using tissue-Doppler imaging-derived strain, 915
36th Bethesda Conference: Task force 2: congenital heart disease, 1326
T-helper-1 lymphocytes
Enhanced T-helper-1 lymphocyte activation patterns in acute coronary syndromes, 1939
Thoracic aorta
Does shear stress modulate both plaque progression and regression in the thoracic aorta?, 846
Thrombin
CD40 ligand enhances monocyte tissue factor expression and thrombin generation via oxidative stress in patients with hypercholesterolemia, 35
Thromboembolism
Elevation of endothelial microparticles, platelets, and leukocyte activation in patients with venous thromboembolism, 1467
Relationship between inflammation and venous thromboembolism as studied by microparticle assessment in plasma (editorial), 1472
Thrombogenesis
Platelet P-selectin plays an important role in arterial thrombogenesis by forming large stable platelet-leukocyte aggregates, 1280
Thrombolysis
Primary angioplasty is cost-minimizing compared with pre-hospital thrombolysis for patients within 60 min of a percutaneous coronary intervention center, 515
Thrombolysis should be regarded as first-line therapy for prosthetic valve thrombosis in the absence of contraindications (letter), 325
Thrombosis
Drug-eluting stent thrombosis, 954
Enhanced shear-induced platelet aggregation in patients who experienced subacute stent thrombosis: a case-control study, 1753
Late angiographic stent thrombosis (LAST) events with drug-eluting stents, 2088
Stent thrombosis is associated with an impaired response to antiplatelet therapy, 1748
Thirty-day incidence and six-month clinical outcome of thrombotic stent occlusion after bare-metal, sirolimus, or paclitaxel stent implantation, 947
Thrombolysis should be regarded as first-line therapy for prosthetic valve thrombosis in the absence of contraindications (letter), 325
What is the risk of stent thrombosis associated with the use of paclitaxel-eluting stents for percutaneous coronary intervention?, 941
Thrombus
Plaque rupture and intracoronary thrombus in nonculprit vessels (editorial), 659
Tilt-induced syncope
Efficacy of a patient-activated pharmacologic pump using phenylephrine as active drug and prodromal symptoms as a marker of imminent loss of consciousness to abort tilt-induced syncope (letter), 320
Tissue Doppler imaging
Detection of left ventricular asynchrony in patients with right bundle branch block after repair of tetralogy of Fallot using tissue-Doppler imaging-derived strain, 915
Incremental predictive power of B-type natriuretic peptide and tissue Doppler echocardiography in the prognosis of patients with congestive heart failure, 1223
Independent and incremental prognostic value of early mitral annulus velocity in patients with impaired left ventricular systolic function, 272
Tissue factor
Alterations in myocardial tissue factor expression and cellular localization in dilated cardiomyopathy, 1081
Relationship between inflammation and venous thromboembolism as studied by microparticle assessment in plasma (editorial), 1472
Tissue synchronization imaging
Novel tool to assess systolic asynchrony and identify responders of cardiac resynchronization therapy by tissue synchronization imaging, 677
Tissue-type plasminogen activator
Gender differences in endothelial tissue-type plasminogen activator release in middle-aged adults (letter), 1547
Tobacco
Hemodynamic and autonomic effects of smokeless tobacco in healthy young men, 910

Torsade de pointes
Cellular and ionic mechanism for drug-induced long QT syndrome and effectiveness of verapamil, 300
Tranilast
Predictive factors for ischemic target vessel revascularization in the Prevention of Restenosis with Tranilast and its Outcomes (PRESTO) trial, 198
Transesophageal echocardiography
Patients with atrial fibrillation and dense spontaneous echo contrast at high risk—a prospective and serial follow-up over 12 months with transesophageal echocardiography and cerebral magnetic resonance imaging, 1808
Transmyocardial laser revascularization
Year in cardiovascular surgery, 1517
Transplantation
Coronary stenosis detection by 16-slice computed tomography in heart transplant patients: comparison with conventional angiography and impact on clinical management, 1827
Health insurance and cardiac transplantation, 1388
Highlights of the year in *JACC* 2004, 137
Improved outcomes of pediatric dilated cardiomyopathy and heart transplantation (letter), 1733
Intravascular ultrasound evidence of angiographically silent progression in coronary atherosclerosis predicts long-term morbidity and mortality after cardiac transplantation, 1538
Multicenter intravascular ultrasound validation study among heart transplant recipients, 1532
Transplantation in fibrin sealant (letter), 1734
Transposition of the great arteries
Intracoronary ultrasound assessment late after the arterial switch operation for transposition of the great arteries, 2061
36th Bethesda Conference: Task force 2: congenital heart disease, 1326
Transthoracic echocardiography
Are transthoracic echocardiographic parameters associated with atrial fibrillation recurrence or stroke? Results from the AFFIRM study, 2026
Early recovery of impaired coronary flow reserve by carvedilol therapy in patients with idiopathic dilated cardiomyopathy: a serial transthoracic Doppler echocardiographic study (letter), 318
Quantitation of mitral valve tenting in ischemic mitral regurgitation by transthoracic real-time three-dimensional echocardiography, 763
Treadmill exercise
Comparison of treadmill exercise versus dipyridamole stress with myocardial perfusion imaging using rubidium-82 positron emission tomography, 1227
Tricuspid regurgitation
Severe symptomatic tricuspid valve regurgitation due to permanent pacemaker or implantable cardioverter defibrillator leads, 1672
36th Bethesda Conference: Task force 3: valvular heart disease, 1334
Tricuspid stenosis
36th Bethesda Conference: Task force 3: valvular heart disease, 1334
Tricuspid valve disease
Year in valvular heart disease, 111
Triglycerides
Apolipoprotein CI content of triglyceride-rich lipoproteins independently predicts early atherosclerosis in healthy middle-aged men, 1013
Plasma triglycerides and type III hyperlipidemia are independently associated with premature familial coronary artery disease, 1003
Troponins
Prognostic implications of elevated troponin in patients with suspected acute coronary syndrome but no critical epicardial coronary disease, 19
Relationship of irreversible myocardial injury to troponin I and creatine kinase-MB elevation after coronary artery bypass surgery: insights from cardiovascular magnetic resonance imaging (letter), 629
Tumor necrosis factor-related apoptosis-inducing ligand
Involvement of tumor necrosis factor-related apoptosis-inducing ligand (TRAIL) in atherosclerosis, 1018
22q11.2 microdeletion
Prevalence and clinical manifestations of 22q11.2 microdeletion in adults with selected conotruncal anomalies, 595
Ultrasound
Detection of lipid-laden atherosclerotic plaque by wavelet analysis of radio-frequency intravascular ultrasound signals: in vitro validation and preliminary in vivo application, 1954
Detection of peripheral vascular stenosis by assessing skeletal muscle flow reserve, 780
Incidence and clinical correlates of ruptured plaques in saphenous vein grafts: an intravascular ultrasound study, 1974
Intracoronary ultrasound assessment late after the arterial switch operation for transposition of the great arteries, 2061
Measurement of ventricular torsion by 2D ultrasound speckle, 2034
Polymer-based paclitaxel-eluting stents reduce in-stent neointimal tissue proliferation, 1201
Stent underexpansion and residual reference segment stenosis are related to stent thrombosis after sirolimus-eluting stent implantation, 995
Use of ultrasound contrast agents for gene or drug delivery in cardiovascular medicine, 329
Volumetric quantitative analysis of tissue characteristics of coronary plaques after statin therapy using three dimensional integrated backscatter intravascular ultrasound (3D IB-IVUS), 1946
Unstable angina
Health-related quality of life after interventional or conservative strategy in patients with unstable angina or non–ST-segment elevation myocardial infarction, 221
Persistent systemic inflammation in unstable angina is largely unrelated to the atherothrombotic burden, 238
Vaccines
Cardiac complications of vaccines (letter), 1309
Valsalva maneuver
Proper conduct of Valsalva maneuver for the detection of patent foramen ovale (letter), 1145
Valvular heart disease
36th Bethesda Conference: Task force 3: valvular heart disease, 1334
Year in valvular heart disease, 111
Vascular endothelial growth factor
Direct intramyocardial plasmid vascular endothelial growth factor-A_{165} gene therapy in patients with stable severe angina pectoris, 982
Vasodilation
Noninvasive assessment of coronary vasodilation using magnetic resonance angiography, 104
Vena contracta
Broad-beam spectral Doppler sonification of the vena contracta using matrix-array technology, 770
Venous occlusion
Increase of C-reactive protein is associated with enhanced activation of endogenous fibrinolysis at baseline but an impaired endothelial fibrinolytic response after venous occlusion, 30
Venous thromboembolism
Elevation of endothelial microparticles, platelets, and leukocyte activation in patients with venous thromboembolism, 1467
Relationship between inflammation and venous thromboembolism as studied by microparticle assessment in plasma (editorial), 1472
Ventricles
See Left ventricle; Right ventricle
Ventricular assist devices
See also Left ventricular assist devices
Ventricular assist device therapy normalizes inducible nitric oxide synthase expression and reduces cardiomyocyte apoptosis in the failing human heart, 1419
Ventricular asynchrony
Ventricular asynchrony predicts a better outcome in patients with chronic heart failure receiving cardiac resynchronization therapy, 65
Ventricular fibrillation
Better outcome after pediatric defibrillation dosage than adult dosage in a swine model of pediatric ventricular fibrillation, 786
Depression as a predictor for appropriate shocks among patients with implantable cardioverter-defibrillators, 1090
Effects of left ventricular assist device therapy on ventricular arrhythmias, 1428
Ventricular septal defect
36th Bethesda Conference: Task force 2: congenital heart disease, 1326
Ventricular tachycardia
Depression as a predictor for appropriate shocks among patients with implantable cardioverter-defibrillators, 1090
Effects of left ventricular assist device therapy on ventricular arrhythmias, 1428
Electrocardiographic and electrophysiologic characteristics of ventricular tachycardia originating within the pulmonary artery, 887
Fast ventricular tachycardias in patients with implantable cardioverter-defibrillators: efficacy and safety of antitachycardia pacing, 460
Idiopathic ventricular arrhythmia arising from the mitral annulus, 877
Infarct morphology identifies patients with substrate for sustained ventricular tachycardia, 1104
36th Bethesda Conference: Task force 7: arrhythmias, 1354
Ventricular torsion
Measurement of ventricular torsion by 2D ultrasound speckle, 2034
Verapamil
Cellular and ionic mechanism for drug-induced long QT syndrome and effectiveness of verapamil, 300
Wall thickening
Role of collateral blood flow in the apparent disparity between the extent of abnormal wall thickening and perfusion defect size during acute myocardial infarction and demand ischemia, 565

Warfarin
Atrial fibrillation: the ancient conundrum defies simple solution, 1814
White blood cells
Which white blood cell subtypes predict increased cardiovascular risk?, 1638
Wolff-Parkinson-White syndrome
Adenosine monophosphate-activated protein kinase disease mimicks hypertrophic cardiomyopathy and Wolff-Parkinson-White syndrome, 922
36th Bethesda Conference: Task force 7: arrhythmias, 1354
Women
See also Gender
Is aspirin resistance or female gender associated with a high incidence of myonecrosis after nonurgent percutaneous coronary intervention? (letter), 635
World Trade Center attack
World Trade Center attack and cardiac events: fact or fear? (letter), 1732
Ximelagatran
Ximelagatran: oral direct thrombin inhibitor as anticoagulant therapy in atrial fibrillation, 1

Vol. 45
Contents

2005